

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
May 27, 2004

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

WELL API NO. 30-045-24375
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NM- 013860-A
7. Lease Name or Unit Agreement Name Russell LS
8. Well Number 12
9. OGRID Number
10. Pool name or Wildcat Pictured Cliffs & Otero Chacra

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 Attn: Cherry Hlava

3. Address of Operator
P.O. Box 3092 Houston, TX 77253

4. Well Location
Unit Letter **H** : **1695** feet from the **NORTH** line and **1120** feet from the **EAST** line
Section **24** Township **28N** Range **08W** NMPM **San Juan** County

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

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 ☐

OTHER: **Downhole Commingle** ☒

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.

The above mentioned well is currently a dual string wellbore capable of producing from both the Pictured Cliffs and the Otero Chacra formations. BP America Production Company requests permission to remove the short string tubing (PC), pull the long tubing string (CH), re-land a single string of tubing, and downhole commingle.

The Otero Chacra (82329) and the Blanco Pictured Cliffs (72559) pools are pre-approved for Downhole Commingling per the NMOCD order R-11363. The working & overriding royalty interest owners in the proposed commingled pools are identical, therefore no additional notification is required. Production is proposed to be allocated based on subtraction method using the projected future decline for production for the Pictured Cliffs. That production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Chacra.

Attached is the future production decline estimates for the Pictured Cliffs.

RCVD AUG3'07
OIL CONS. DIV.
DIST. 3

The BLM has been notified of the DHC via form 3160-5 for lease NM- 013860-A.

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

DN C2653AZ

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE *Cherry Hlava* TITLE Regulatory Analyst DATE 07/25/2007

Type or print name Cherry Hlava E-mail address: hlavac1@BP.com Telephone No. 281-366-4081

For State Use Only

APPROVED BY: *[Signature]* TITLE Deputy Oil & Gas Inspector, District #3 DATE AUG 07 2007

Conditions of Approval (if any):

bSJ Basin Well Work Procedure

Well Name: Russell LS 12 – PC / CH dual well
API #: 30-045-24375
Date: June 29, 2007
Repair Type: Cleanout
Location: T28N-R8W-Sec24H
County: San Juan
State: New Mexico
Horizon: Picture Cliff / Chacra
Engr: Andrew Berhost
ph (505) 326-9208

Objective: Remove short string tubing (PC), cleanout fill above packer, pluck packer, Pull long tubing string (CH), Clean out wellbore, TIH and reland single string of tubing, and return to production.

1. TOH with 1-1/4" short tubing string set @ 2912'
2. Tag for fill above Model "D" packer – C/O if necessary
3. TOH with long tubing string set @ 3898'
4. Mill and pluck packer @ 3600'
5. Tag for fill C/O to PBTB
6. TIH with 2-3/8" tubing – land @ 3900'
7. Return well to production.

Procedure:

1. 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.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
3. RU slickline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in each tubing string.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
5. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
6. Blow down well. Kill with 2% KCL water ONLY if necessary.
7. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**

8. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge throughout workover.
9. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip tubing hanger out of hole.
10. Tag for fill above Model 'D' packer at 3086' and TOH with 1-1/4" jointed short production tubing currently set at 2912'.
11. If fill was detected above Model 'D' packer, TIH and cleanout fill above packer. TOH and LD 2-1/16" workstring.
12. TOH with 2-1/16" long production tubing currently set @ 3898'.
13. Mill slip elements on 5-1/2" Model 'D' packer set at 3600' and retrieve packer with packer plucker.
14. RIH with bit and scraper for 5-1/2" casing. Check the distance between the top of the blind rams and the length of the bottomhole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams. Work casing scraper across PC perforations @ 2833-2924' and Chacra perforations @ 3791'-3927'. TOH with bit and scraper.
15. Cleanout to PBTD 3965' to ensure wellbore is clean and dry. Reference Under-Balanced Well Control Tripping Procedure. TOH w/ workstring.
16. Rabbit tubing and RIH with 2-3/8" production tubing. (With muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
17. Land 2-3/8" production tubing at 3900'. Lock down tubing hanger.
18. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to the surface. Check all casing string for pressure. **The operations of removal of BOP's and installation of wellhead will be performed under a dispensation for one (1) barrier on the backside.**
19. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
20. RU WL unit. Run gauge ring for 2-3/8" tubing. Broach out any tight spots noticed in WL trip. If tubing will not broach free and clean RD WL and pull tubing and replace bad joints. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to operations team personnel.
21. RD slickline unit.

22. Test well for air. Return well to production. 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 Wellfile. Discussion with production operations team about particulars of well when handing off the well file.

Russell LS 12

Sec 24H, T28N, R8W

API # 30-045-24375

GL 6224'

History

Completed as Pc and Chacra dual completion

PC Perforations2833-2924' w/10 shots total
frac w/67,000# 10/20 sand and 72,000 waterChacra Perforations3791-3927' w/7 shots total
frac w/50,000# 10/20 sand and 60,000 water

1-1/4" @ 2912'

est TOC @ surface

8-5/8" 24# K-55 @ 135'
106 cu ft cement

Est TOC @ 2000'

Model "D" packer @ 3600'

2-1/6" 3.25#, J-55 @ 3898'

5-1/2" 15.5#, K-55 @ 3982'
743 cu ft cementPBD 3965'
TD 3982'reconstructed from public data 8-06 QYS
Updated 10/17/06 LEB
Updated 6/27/07 ADB

Russell LS 12						
Pictured Cliffs Formation						
API #	3004524375					
Starting 7/98 thru 10/10						
Exponential Decline						
Qi =	17.1	mcf/d	1-Jan-2007			
Qf =	7.5	mcf/d				
D =	19.55%	per year				
Date	Gas Rate mcf/d	Gas Volume MMSCF	Date	Gas Rate mcf/d	Gas Volume MMSCF	
Jan-07	16.92	0.53	Jan-10	8.81	0.27	
Feb-07	16.63	0.47	Feb-10	8.66	0.24	
Mar-07	16.34	0.51	Mar-10	8.51	0.26	
Apr-07	16.04	0.48	Apr-10	8.35	0.25	
May-07	15.75	0.49	May-10	8.20	0.25	
Jun-07	15.47	0.46	Jun-10	8.05	0.24	
Jul-07	15.19	0.47	Jul-10	7.91	0.25	
Aug-07	14.91	0.46	Aug-10	7.76	0.24	
Sep-07	14.65	0.44	Sep-10	7.62	0.23	
Oct-07	14.38	0.45	Oct-10	2.76	0.09	
Nov-07	14.12	0.42	Nov-10			
Dec-07	13.87	0.43	Dec-10			
Jan-08	13.58	0.42	Jan-11			
Feb-08	13.34	0.39	Feb-11			
Mar-08	13.10	0.41	Mar-11			
Apr-08	12.87	0.39	Apr-11			
May-08	12.63	0.39	May-11			
Jun-08	12.41	0.37	Jun-11			
Jul-08	12.18	0.38	Jul-11			
Aug-08	11.96	0.37	Aug-11			
Sep-08	11.75	0.35	Sep-11			
Oct-08	11.54	0.36	Oct-11			
Nov-08	11.33	0.34	Nov-11			
Dec-08	11.13	0.35	Dec-11			
Jan-09	10.95	0.34	Jan-12			
Feb-09	10.76	0.30	Feb-12			
Mar-09	10.57	0.33	Mar-12			
Apr-09	10.38	0.31	Apr-12			
May-09	10.20	0.32	May-12			
Jun-09	10.01	0.30	Jun-12			
Jul-09	9.83	0.31	Jul-12			
Aug-09	9.65	0.30	Aug-12			
Sep-09	9.48	0.28	Sep-12			
Oct-09	9.31	0.29	Oct-12			
Nov-09	9.14	0.27	Nov-12			
Dec-09	8.97	0.28	Dec-12			