

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135

Expires November 30, 2000

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.

SF - 078499

6. If Indian Allottee or tribe Name

2007 APR 19 AM 11:18

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

BLM

Well Name and No.

Russell LS 4A

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP America Production Company Attn: Cherry Hlava

9. API Well No.

30-045-23702

3a. Address

P.O. Box 3092 Houston, TX 77253

3b. Phone No. (include area code)

281-366-4081

10. Field and Pool, or Exploratory Area

Blanco Mesaverde/Otero Chacra

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

1630' FNL & 900' FWL Sec 24 T28N R08W

11. County or Parish, State

San Juan County, New Mexico

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|--|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Abandon |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Water Disposal | |
| <input type="checkbox"/> Injection | <input type="checkbox"/> Plug Back | <input checked="" type="checkbox"/> Other | |

Downhole Commingling

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 America Production Company requests permission to recompleat the subject well into the Otero Chacra Pool and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure. The Blanco Mesaverde (72319) & Otero Chacra (82329) Pools are Pre-Approved Pools for Downhole Commingling per NMOC order R-11363. The working & overriding royalty interest owners in the proposed commingled pools are the same, therefore no additional notification is required. Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Mesaverde. 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 Mesaverde. Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

No order yet 4-27-07

RCVD APR 20 07

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

Name (Printed/typed)

Cherry Hlava

Title

Regulatory Analyst

OIL CONS. DIV.

DIST. 3

Signature

Cherry Hlava

Date

4/17/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

APR 18 2007

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

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.

NMOC

District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 27854

2007 APR 19 AM 11:18

RECEIVED
BLM
210 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-23702	2. Pool Code 82329	3. Pool Name OTERO CHACRA (GAS)
4. Property Code 1000	5. Property Name RUSSELL LS	6. Well No. 004A
7. OGRID No. 778	8. Operator Name BP AMERICA PRODUCTION COMPANY	9. Elevation 6287

10. Surface Location

UL - Lot E	Section 24	Township 28N	Range 08W	Lot Idn	Feet From 1630	N/S Line N	Feet From 900	E/W Line W	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. E-Signed By: <i>Cheryl H. [Signature]</i> RCUD APR20'07 Title: <i>Regulatory Analyst</i> OIL CONS. DIV. Date: <i>4-17-07</i> DIST. 3	
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Surveyed By: Date of Survey: <i>ON File</i> Certificate Number:	

Russell LS 4A												
MesaVerde Formation		Decline										
API #	3004523702											
Starting 1/98 thru 12/08												
Exponential Decline												
Qi =	77.0	mcf/d	1-Jan-2007									
Qf =	66.7	mcf/d										
D =	6.95%	per year										
Starting 1/09 thru 2/29												
Exponential Decline												
Qi =	66.7	mcf/d	1-Jul-2006									
Qf =	10.0	mcf/d										
D =	9.00%	per year										
	Gas	Rate	Gas		Gas	Gas		Gas	Gas		Gas	Gas
Date		mcf/d	Volume	Date	Rate	Volume	Date	Rate	Volume	Date	Rate	Volume
			MMSCF		mcf/d	MMSCF		mcf/d	MMSCF		mcf/d	MMSCF
Jan-07		76.84	2.38	Dec-09	60.97	1.89	Nov-12	46.18	1.39	Oct-15	35.18	1.09
Feb-07		76.40	2.14	Jan-10	60.49	1.88	Dec-12	45.82	1.42	Nov-15	34.90	1.05
Mar-07		75.95	2.35	Feb-10	60.03	1.68	Jan-13	45.58	1.41	Dec-15	34.63	1.07
Apr-07		75.50	2.26	Mar-10	59.57	1.85	Feb-13	45.24	1.27	Jan-16	34.26	1.06
May-07		75.04	2.33	Apr-10	59.10	1.77	Mar-13	44.89	1.39	Feb-16	33.99	0.99
Jun-07		74.59	2.24	May-10	58.64	1.82	Apr-13	44.54	1.34	Mar-16	33.73	1.05
Jul-07		74.15	2.30	Jun-10	58.18	1.75	May-13	44.19	1.37	Apr-16	33.47	1.00
Aug-07		73.69	2.28	Jul-10	57.72	1.79	Jun-13	43.84	1.32	May-16	33.20	1.03
Sep-07		73.25	2.20	Aug-10	57.26	1.78	Jul-13	43.50	1.35	Jun-16	32.94	0.99
Oct-07		72.81	2.26	Sep-10	56.81	1.70	Aug-13	43.15	1.34	Jul-16	32.69	1.01
Nov-07		72.37	2.17	Oct-10	56.37	1.75	Sep-13	42.81	1.28	Aug-16	32.43	1.01
Dec-07		71.94	2.23	Nov-10	55.93	1.68	Oct-13	42.48	1.32	Sep-16	32.17	0.97
Jan-08		71.51	2.21	Dec-10	55.49	1.72	Nov-13	42.14	1.26	Oct-16	31.92	0.99
Feb-08		70.89	2.06	Jan-11	55.04	1.71	Dec-13	41.81	1.30	Nov-16	31.67	0.95
Mar-08		70.47	2.18	Feb-11	54.63	1.53	Jan-14	41.48	1.29	Dec-16	31.42	0.97
Apr-08		70.05	2.10	Mar-11	54.21	1.68	Feb-14	41.16	1.15	Jan-17	31.26	0.97
May-08		69.63	2.16	Apr-11	53.79	1.61	Mar-14	40.85	1.27	Feb-17	31.02	0.87
Jun-08		69.21	2.08	May-11	53.36	1.65	Apr-14	40.53	1.22	Mar-17	30.78	0.95
Jul-08		68.80	2.13	Jun-11	52.94	1.59	May-14	40.21	1.25	Apr-17	30.54	0.92
Aug-08		68.38	2.12	Jul-11	52.53	1.63	Jun-14	39.90	1.20	May-17	30.30	0.94
Sep-08		67.97	2.04	Aug-11	52.11	1.62	Jul-14	39.58	1.23	Jun-17	30.07	0.90
Oct-08		67.56	2.09	Sep-11	51.70	1.55	Aug-14	39.27	1.22	Jul-17	29.83	0.92
Nov-08		67.16	2.01	Oct-11	51.29	1.59	Sep-14	38.96	1.17	Aug-17	29.59	0.92
Dec-08		66.76	2.07	Nov-11	50.89	1.53	Oct-14	38.65	1.20	Sep-17	29.36	0.88
Jan-09		66.47	2.06	Dec-11	50.49	1.57	Nov-14	38.35	1.15	Oct-17	29.13	0.90
Feb-09		65.96	1.85	Jan-12	49.95	1.55	Dec-14	38.05	1.18	Nov-17	28.90	0.87
Mar-09		65.46	2.03	Feb-12	49.57	1.44	Jan-15	37.75	1.17	Dec-17	28.67	0.89
Apr-09		64.95	1.95	Mar-12	49.19	1.52	Feb-15	37.46	1.05	Jan-18	28.44	0.88
May-09		64.44	2.00	Apr-12	48.80	1.46	Mar-15	37.17	1.15	Feb-18	28.23	0.79
Jun-09		63.93	1.92	May-12	48.42	1.50	Apr-15	36.88	1.11	Mar-18	28.01	0.87
Jul-09		63.43	1.97	Jun-12	48.04	1.44	May-15	36.59	1.13	Apr-18	27.79	0.83
Aug-09		62.93	1.95	Jul-12	47.66	1.48	Jun-15	36.31	1.09	May-18	27.58	0.85
Sep-09		62.43	1.87	Aug-12	47.29	1.47	Jul-15	36.02	1.12	Jun-18	27.36	0.82
Oct-09		61.94	1.92	Sep-12	46.92	1.41	Aug-15	35.73	1.11	Jul-18	27.14	0.84
Nov-09		61.46	1.84	Oct-12	46.55	1.44	Sep-15	35.45	1.06	Aug-18	26.93	0.83

SJ Basin Downhole Commingling Procedure

Well Name: Russell LS 4A
Date: April 16, 2007
Budget: Capital
Repair Type: Recompletion

Objective: Perforate and frac Chacra, and downhole co-mingle Chacra, and Mesaverde

1. TOH with completion.
2. Perforate and fracture Chacra.
3. Land tbg and return well to production.
4. Downhole co-mingle Chacra, and Mesaverde.

Pertinent Information: Gas BTU content for this well is above 950. Venting and Flaring document needs to be followed.

Location:	T28N-R8W-Sec24	API #:	30-045-23702
County:	San Juan		
State:	New Mexico	Engr:	Richard W. Pomrenke
Horizon:	Mesaverde/Chacra	ph (281) 366-5023	
		fax (281) 366-0700	

Producing Rate 4-16-2007 Mesaverde Only 70 MCFD

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 or wireline 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 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. If bradenhead pressure is observed and does not blow down, we will perform a bradenhead repair after identifying TOC in the 7" casing.

turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic device that transmits a signal.

20. RIH with 3-3/8" casing guns w/lubricator. Perforate Chacra formation.

3782-3810; 3835-3845; 3910-3926; 3937-3946 at 4 SPF 60° Phasing. Total holes 252.
21. PICK UP AND MAKE UP SCHLUMBERGER 4 1/2" ESKIMO FRAC PACKER, DOWN HOLE SHUT OFF VALVE, 2 3/8" SEAT NIPPLE ID 1.78", AND CROSSOVERS TO 3 1/2" N80 FRAC STRING AND TRIP IN HOLE. PACKER TO BE SET AT 3070 FEET.
22. LOAD AND TEST TUBING TO 1000 PSI WITH SHUTOFF VALVE CLOSED.
23. RELEASE PRESSURE AND RIG DOWN CONNECTIONS.
24. NIPPLE DOWN AND STRIP OFF STRIPPER HEAD AND SPOOL.
25. PICK UP STINGER FRAC STACK AND INSTALL ON TUBING.
26. SET PACKER AT 3070 FEET. SET 12,000 POUNDS DOWN ON PACKER, THEN PULL STRING WEIGHT PLUS 12,000 POUNDS INTO PACKER. SLACK OFF AND LEAVE 4,000# POUNDS PULLING DOWN ON FRAC STACK.
27. NIPPLE UP FRAC STACK.
28. HOOK RIG PUMP UP TO CASING. LOAD CASING WITH 2% KCL WATER.
29. GET RIG PUMP OFF CASING AND HOOK UP STINGER TEST PUMP. TEST CASING TO 500 PSI.
30. RELEASE PRESSURE AND RIG DOWN STINGER.
31. LOAD TUBING WITH RIG PUMP. PUMP -- BARRELS TO LOAD. RIG DOWN RIG PUMP
32. RIG UP STINGER TESTER. **TEST FRAC STRING TO 7000 PSI.** RELEASE PRESSURE AND RIG DOWN STINGER.
33. UNBOLT FRAC STACK AND OPEN SHUTOFF VALVE.
34. REBOLT FRAC STACK. CLOSE PIPE RAMS AND TEST FLANGE SEAL WHERE BOLT ONTO BOP'S TO 500 PSI.
35. WELL IS READY TO FRAC.
36. RU schlumberger frac equipment. Purge pumps and pressure test iron to frac valve at 8000 psi. Set pump trips at 5800 psi. Set PRV at 6500 psi. Treat well at a maximum of 5800 psi.
37. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Spearhead 1000 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Service

Russell LS 4A

Sec 24, T28N, R8W

API # 30-045-23702

GL: 6287'

History:

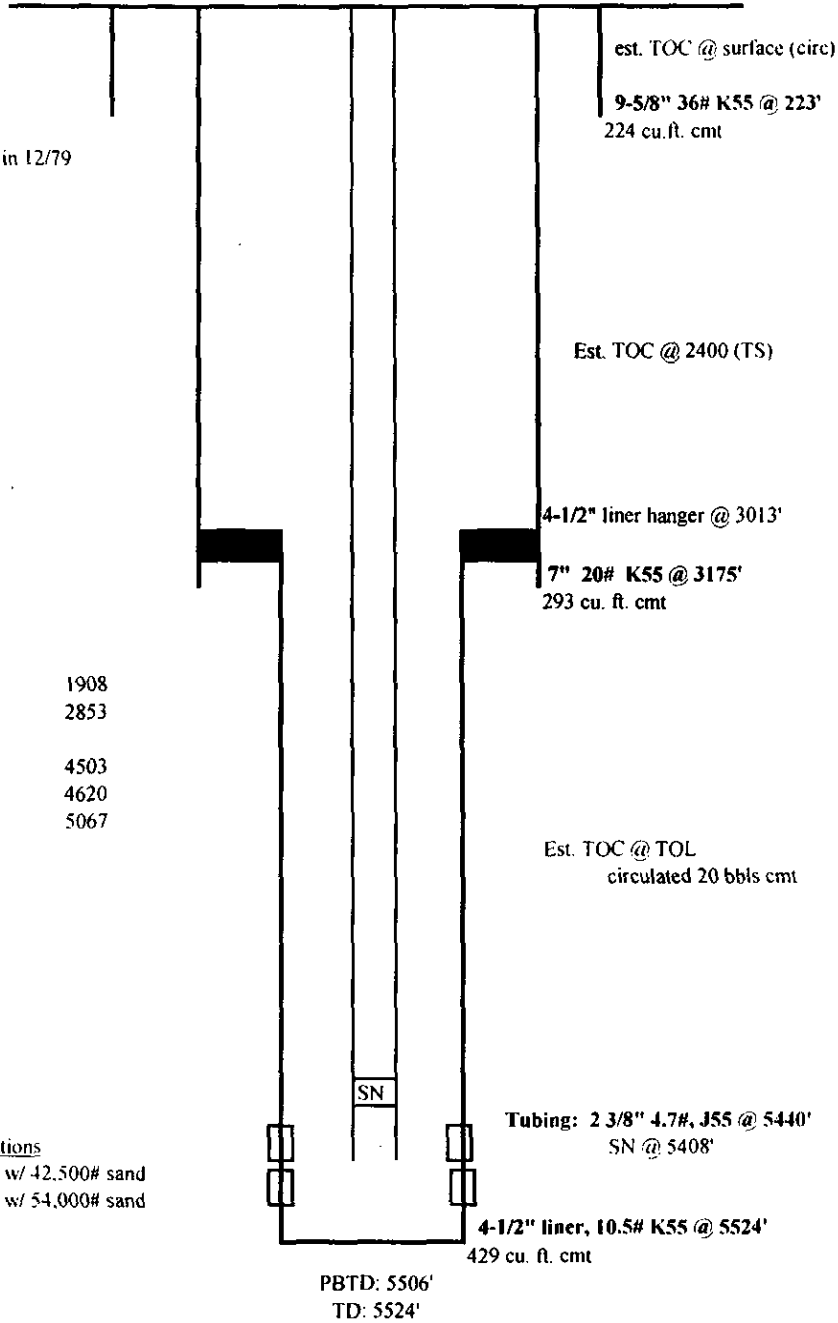
Completed as MV in 12/79

Formation Tops

Ojo Alamo	1908
PC	2853
Chacra	
CLFH	4503
MEN	4620
PT LK	5067

Mesaverde Perforations

4502--4965' Frac'd w/ 42.500# sand
5036--5460' Frac'd w/ 54.000# sand



NOTES:

updated: 10/13/06 JG