

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.
NMSF079319

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
SCHWERTFEGERLS 9A2. Name of Operator
BP AMERICA PRODUCTION COContact: MARY CORLEY
E-Mail: corleym@bp.com9. API Well No.
30-045-26636-00-S13a. Address
P. O. BOX 3092
HOUSTON, TX 772533b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.070010. Field and Pool, or Exploratory
BLANCO MESAVERDE
OTERO CHACRA

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

Sec 31 T28N R8W SESE 1320FSL 0520FEL
36.61476 N Lat, 107.71443 W Lon

11. County or Parish, and State

SAN JUAN COUNTY, NM

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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Subsurface Commingling
	<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 recompletable 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 recompletable 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 request permission to recompletable the subject well into the Otero Chacra 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 NMOCD order R-11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore, no further notification of this application 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

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

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

Electronic Submission #29448 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by MATTHEW HALBERT on 05/25/2004 (04MXH1667SE)

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 04/08/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #29448 that would not fit on the form

32. Additional remarks, continued

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 with not reduce the value of the total remaining production.

Schwerdtfeger A LS # 9A

Recompletion to Otero Chacra & Downhole Commingle Production

Procedure:

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. Kill with 2% KCL water ONLY if necessary.
4. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
5. RU slickline unit or wireline unit. RIH and set plug (CIBP, tbg collar stop, or plug set in nipple) for isolation.
6. RIH and tag fill, Tally OH with tubing string. Visually inspect tbg while POOH.
7. Contingency: *If the 2-3/8" tubing is in poor condition, replace entire tubing string. New pipe was run in this well 9/11/02.*
8. RIH w/ bit and scraper for 4-1/2" casing to PBTD at 5560'.
9. Set CIBP at 4200'.
10. Load well with 2% KCl. Pressure test casing to 3500 psi with rig pumps. 80% burst is 3832 psi for 10.5 ppf, K-55 casing.
11. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log).
12. Chacra Perforations, 2 spf (30 spots/ 60 holes):
4092, 4084, 4077, 4073, 4063, 4055, 4053, 4049, 4045, 4041, 4030, 4025, 4021, 4017, 4015, 3969, 3961, 3954, 3949, 3945, 3937, 3935, 3933, 3926, 3924, 3921, 3912, 3909, 3907, 3899.
13. RU tree saver and frac equipment.
14. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures \leq 3500 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
15. Flowback frac immediately.
16. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 4200'. C/O to PBTD at 5560'. Blow well dry at PBTD.

17. Rabbit tubing and RIH with 2-3/8" production tubing (muleshoe sub, 1.78" F-nipple, 4 ft pup, 1.875" X-nipple with plug in place). Fill tubing with water while RIH and test to 500 psi or test with air unit to 500 psi if on location.
18. Land 2-3/8" production tubing at +/-5400'. ND BOP and NU WH. 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.
19. Swab down tubing or blow dry with air foam unit.
20. RU slickline unit. Run 1.9" OD gauge ring for 2-3/8" tubing. Pull plug. Flow well up tubing long enough to verify it will not log off. Set tubing stop for plunger. Communicate plunger equipment status to IC room personnel.
21. Test well for air. Return well to production.

Schwerdtfeger A LS #9A

Sec 31, T28N, R8W

API # 30-045-26636

GL: 6718'

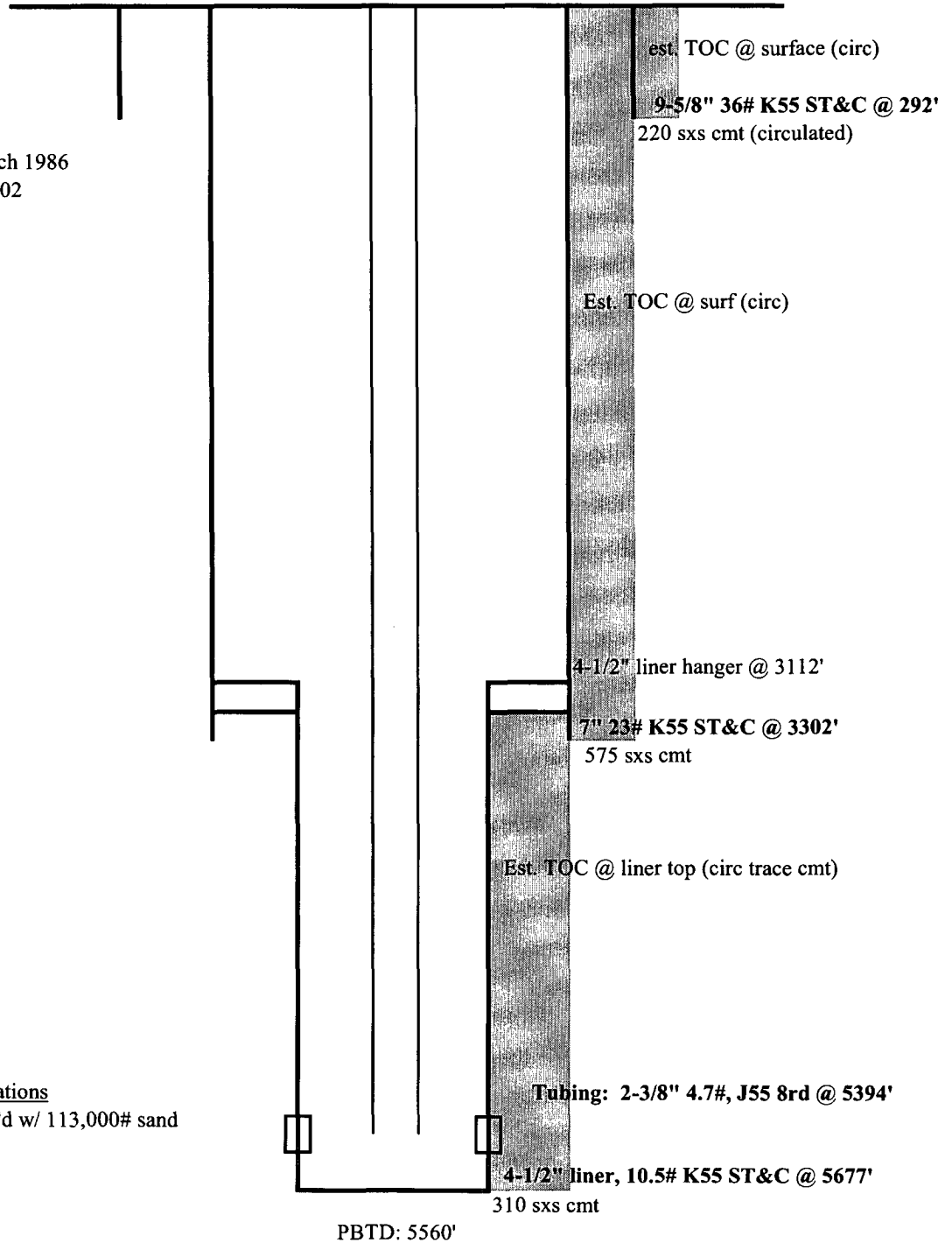
History:

Completed in March 1986

WO September 2002

Mesaverde Perforations

5186' - 5440' frac'd w/ 113,000# sand



NOTES:

updated: 3/15/04 GKC

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-26636	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 001033	⁵ Property Name Schwerdtfeger A LS	⁶ Well Number 9A
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6718' GR

¹⁰ Surface Location

UL or lot no. Unit J	Section 31	Township 28N	Range 08W	Lot Idn	Feet from 1320'	North/South South	Feet from 520'	East/West East	County San Juan
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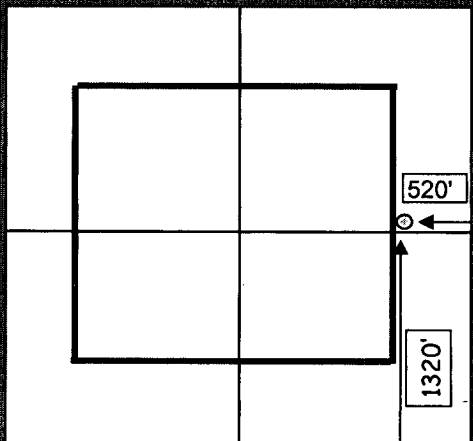
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
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¹² Dedicated Acres 144.8	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Mary Corley
				Signature Mary Corley Printed Name Sr. Regulatory Analyst Title 04/08/2004 Date
				¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 7/23/1985 Date of Survey Signature and Seal of Professional Surveyor: William E Mahnke 8466 Certificate Number



Schwerdtfeger A LS 9A

Future Production Decline Estimate

Mesaverde Daily Rates

4/8/2004

Month	Gas Volume
Jan-2003	2
Feb-2003	0
Mar-2003	122
Apr-2003	68
May-2003	83
Jun-2003	55
Jul-2003	58
Aug-2003	65
Sep-2003	40
Oct-2003	30
Nov-2003	62
Dec-2003	61
Jan-2004	60
Feb-2004	60
Mar-2004	59
Apr-2004	59
May-2004	58
Jun-2004	58
Jul-2004	57
Aug-2004	56
Sep-2004	56
Oct-2004	55
Nov-2004	55
Dec-2004	54
Jan-2005	53
Feb-2005	53
Mar-2005	52
Apr-2005	52
May-2005	51
Jun-2005	50
Jul-2005	50
Aug-2005	49
Sep-2005	49
Oct-2005	48
Nov-2005	48
Dec-2005	47

$\ln(Q_f/Q_i) = -dt$
 $Q_f = 65$
 $Q_i = 68$
 $rate = 65$
 $time = 5$
 $dt = -0.045120435$
 $decline = -0.586565659$

Month	Gas Volume
Jan-2006	46
Feb-2006	46
Mar-2006	45
Apr-2006	45
May-2006	44
Jun-2006	43
Jul-2006	43
Aug-2006	42
Sep-2006	42
Oct-2006	41
Nov-2006	41
Dec-2006	40
Jan-2007	39
Feb-2007	39
Mar-2007	38
Apr-2007	38
May-2007	37
Jun-2007	36
Jul-2007	36
Aug-2007	35
Sep-2007	35
Oct-2007	34
Nov-2007	33
Dec-2007	33
Jan-2008	32
Feb-2008	32
Mar-2008	31
Apr-2008	31
May-2008	30
Jun-2008	29
Jul-2008	29
Aug-2008	28
Sep-2008	28
Oct-2008	27
Nov-2008	26
Dec-2008	26
Jan-2009	26

Month	Gas Volume
Feb-2009	25
Mar-2009	25
Apr-2009	24
May-2009	24
Jun-2009	23
Jul-2009	22
Aug-2009	22
Sep-2009	21
Oct-2009	21
Nov-2009	20
Dec-2009	19
Jan-2010	19
Feb-2010	18
Mar-2010	18
Apr-2010	17
May-2010	17
Jun-2010	16
Jul-2010	15
Aug-2010	15
Sep-2010	14
Oct-2010	14
Nov-2010	13
Dec-2010	12
Jan-2011	12
Feb-2011	11
Mar-2011	11
Apr-2011	10
May-2011	9
Jun-2011	9
Jul-2011	8
Aug-2011	8
Sep-2011	7
Oct-2011	7
Nov-2011	6
Dec-2011	5
Jan-2012	5

Month	Gas Volume
Feb-2012	4
Mar-2012	4
Apr-2012	3
May-2012	2
Jun-2012	2
Jul-2012	1
Aug-2012	1
Sep-2012	0
Oct-2012	0
Nov-2012	0
Dec-2012	0
Jan-2013	0
Feb-2013	0
Mar-2013	0
Apr-2013	0
May-2013	0
Jun-2013	0
Jul-2013	0
Aug-2013	0
Sep-2013	0
Oct-2013	0
Nov-2013	0
Dec-2013	0
Jan-2014	0
Feb-2014	0
Mar-2014	0
Apr-2014	0
May-2014	0
Jun-2014	0
Jul-2014	0
Aug-2014	0
Sep-2014	0
Oct-2014	0
Nov-2014	0
Dec-2014	0
Jan-2015	0

Schwerdtfeger A LS 9A
Future Production Decline Estimate
Mesaverde Daily Rates

4/8/2004
