

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. 30-045-25446
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No. RCVD FEB 6 '08
7. Lease Name or Unit Agreement Name Schwerdtfeger A OIL CONS. DIV.
8. Well Number DIST. 3 1E
9. OGRID Number 778
10. Pool name or Wildcat Basin Dakota & 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 **L** : **1750** feet from the **South** line and **990** feet from the **West** line
Section **36** Township **28N** Range **09W** NMPM **San Juan** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5906'

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.

BP respectfully requests permission to downhole in the Chacra, formation with the existing Dakota formation.

The Basin Dakota (71599) & Chacra (82329) Pools are Pre-Approved for Downhole Commingling per NMOCD Order R - 11363. The working & overriding interest owners are the same in the proposed commingled pools; therefore no further notification of this application is required.

The BLM has been notified via form 3160-5 SF for lease SF - 079319 of Downhole Commingling.

Production is proposed to be based on a subtraction method, using the projected future decline for production from the Dakota pool. This 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. Please see the decline for Dakota attached.

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

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 01/28/2008

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, DATE FEB 07 2008
District #3

Conditions of Approval (if any):

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 51714

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <i>30-045-25446</i>	2 Pool Code 82329	3 Pool Name OTERO CHACRA (GAS)
4 Property Code 1031	5 Property Name SCHWERTFEGER A	6 Well No 001E
7 OGRID No 778	8 Operator Name BP AMERICA PRODUCTION COMPANY	9 Elevation <i>5906'</i>

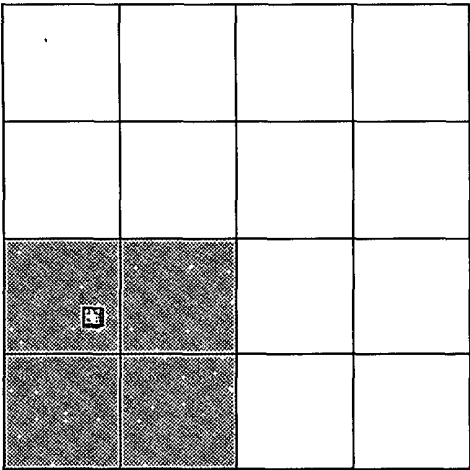
10. Surface Location

UL - Lot L	Section 36	Township 28N	Range 09W	Lot Idn	Feet From 1750	N/S Line S	Feet From 990	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 158.85	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>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</i> E-Signed By: <i>Cherry Hlewa</i> Title: <i>Regulatory Analyst</i> Date: <i>1-28-08</i> 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> Surveyed By: Fred Kerr Date of Survey: 7/9/1981 Certificate Number: 3950
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Schwerdtfeger A 1E Chacra Payadd Procedure
Sec 36, T28N, R9W
API #: 30-045-2544600

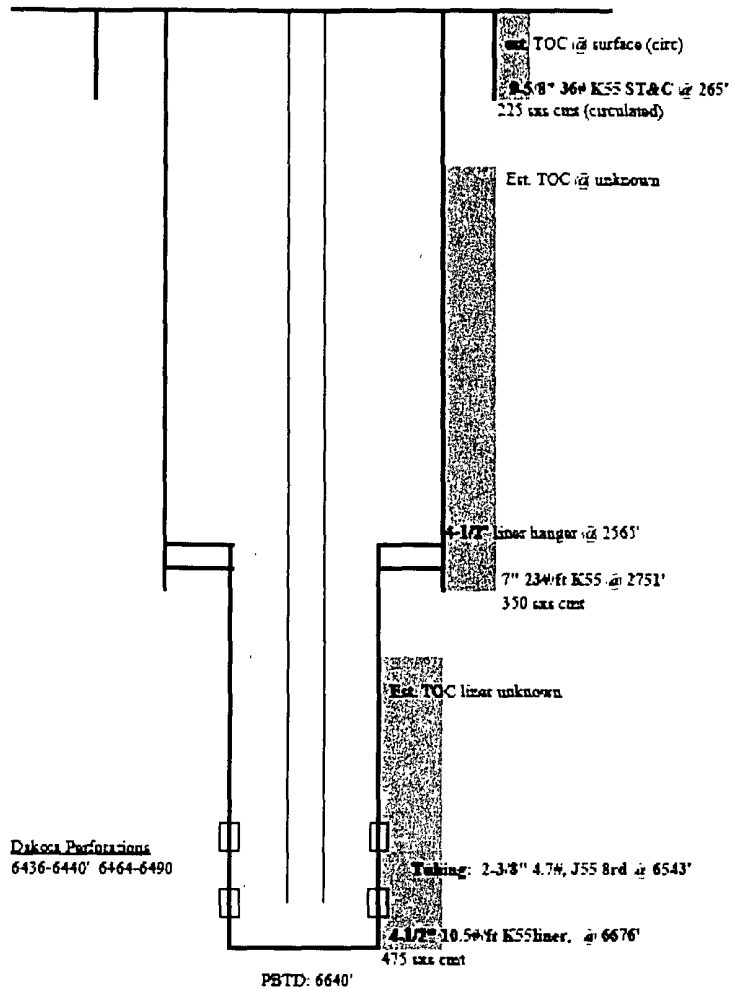
1. Check anchors. MIRU workover rig.
2. If necessary, kill with 2% KCL water. Nipple down WH. NU BOPs.
3. Tag for fill and tally OH with 2-3/8" production tubing currently set at 6543'. Visually inspect tubing while POOH.
4. TIH with bit and scraper for 4 1/2" casing to 6500' PBTD. Note bottom of existing Dakota perforations are 6490'.
5. TIH with tubing-set RBP. Set RBP at 6000'. Load hole with 2% KCL dump 20' sand on RBP.
6. Pressure test casing to 2500 psi.
7. Run RST and CBL and perforate using 3-1/8" casing guns (2 SPF 90 deg phasing) with Schlumberger's select-fire charge 3050'-3100' and 3150'-3200'. Note: Depths may be revised after running RST and CBL.
8. RU frac equipment. Use Slick Water 2% KCL Water 150,000# 16/30 45Q-N2 foam in fracture stimulation.
9. Frac Chacra according to pump schedule down casing with wellhead isolation tool installed. Leave well shut-in overnight.
10. Flowback frac.
11. TIH with tubing and notched collar. Cleanout fill to 20' above RBP'. Blow well dry.
12. Test Chacra Zone for 8 hours.
13. POOH with tubing and RBP retrieving tool and recover RBP at 6000'. POOH.
14. RIH and clean out to at least 100' below bottom perforation in Dakota.
15. ND BOP's. NU WH. Test well for air. Return well to production. as down hole commingle Dakota and Chacra.

Schwerdtfeger A 1E

Sec 36, T28N, R9W

API # 30-045-26636

GL



Schwerdtfeger A 1E Dakota Future Production Decline Estimate Daily Rates

30-045-25446

2/4/2008

$\ln(Q_f/Q_i) = -dt$
 $Q_f = 1257$
 $Q_i = 1931$
 $rate = 1631$
 $time = 112$
 $dt = -0.4293101$
 $decline = -0.0038331$

Month	Gas Volume
Oct-2007	1257
Nov-2007	1252
Dec-2007	1247
Jan-2008	1243
Feb-2008	1238
Mar-2008	1233
Apr-2008	1228
May-2008	1224
Jun-2008	1219
Jul-2008	1214
Aug-2008	1210
Sep-2008	1205
Oct-2008	1200
Nov-2008	1196
Dec-2008	1191
Jan-2009	1187
Feb-2009	1182
Mar-2009	1178
Apr-2009	1173
May-2009	1169
Jun-2009	1164
Jul-2009	1160
Aug-2009	1155
Sep-2009	1151
Oct-2009	1147
Nov-2009	1142
Dec-2009	1138
Jan-2010	1133
Feb-2010	1129
Mar-2010	1125
Apr-2010	1120
May-2010	1116
Jun-2010	1112
Jul-2010	1108
Aug-2010	1103
Sep-2010	1099
Oct-2010	1095
Nov-2010	1091
Dec-2010	1087

Month	Gas Volume
Jan-2011	1082
Feb-2011	1078
Mar-2011	1074
Apr-2011	1070
May-2011	1066
Jun-2011	1062
Jul-2011	1058
Aug-2011	1054
Sep-2011	1050
Oct-2011	1046
Nov-2011	1042
Dec-2011	1038
Jan-2012	1034
Feb-2012	1030
Mar-2012	1026
Apr-2012	1022
May-2012	1018
Jun-2012	1014
Jul-2012	1010
Aug-2012	1006
Sep-2012	1003
Oct-2012	999
Nov-2012	995
Dec-2012	991
Jan-2013	987
Feb-2013	984
Mar-2013	980
Apr-2013	976
May-2013	972
Jun-2013	969
Jul-2013	965
Aug-2013	961
Sep-2013	958
Oct-2013	954
Nov-2013	950
Dec-2013	947

Month	Gas Volume
Jan-2014	943
Feb-2014	939
Mar-2014	936
Apr-2014	932
May-2014	929
Jun-2014	925
Jul-2014	921
Aug-2014	918
Sep-2014	914
Oct-2014	911
Nov-2014	907
Dec-2014	904
Jan-2015	901
Feb-2015	897
Mar-2015	894
Apr-2015	890
May-2015	887
Jun-2015	883
Jul-2015	880
Aug-2015	877
Sep-2015	873
Oct-2015	870
Nov-2015	867
Dec-2015	863
Jan-2016	860
Feb-2016	857
Mar-2016	853
Apr-2016	850
May-2016	847
Jun-2016	844
Jul-2016	841
Aug-2016	837
Sep-2016	834
Oct-2016	831
Nov-2016	828
Dec-2016	825

Month	Gas Volume
Jan-2017	821
Feb-2017	818
Mar-2017	815
Apr-2017	812
May-2017	809
Jun-2017	806
Jul-2017	803
Aug-2017	800
Sep-2017	797
Oct-2017	794
Nov-2017	791
Dec-2017	787
Jan-2018	784
Feb-2018	781
Mar-2018	778
Apr-2018	776
May-2018	773
Jun-2018	770
Jul-2018	767
Aug-2018	764
Sep-2018	761
Oct-2018	758
Nov-2018	755
Dec-2018	752
Jan-2019	749
Feb-2019	746
Mar-2019	743
Apr-2019	741
May-2019	738
Jun-2019	735
Jul-2019	732
Aug-2019	729
Sep-2019	727
Oct-2019	724
Nov-2019	721
Dec-2019	718

Month	Gas Volume
Jan-2020	716
Feb-2020	713
Mar-2020	710
Apr-2020	707
May-2020	705
Jun-2020	702
Jul-2020	699
Aug-2020	697
Sep-2020	694
Oct-2020	691
Nov-2020	689
Dec-2020	686
Jan-2021	683
Feb-2021	681
Mar-2021	678
Apr-2021	676
May-2021	673
Jun-2021	670
Jul-2021	668
Aug-2021	665
Sep-2021	663
Oct-2021	660
Nov-2021	658
Dec-2021	655
Jan-2022	653
Feb-2022	650
Mar-2022	648
Apr-2022	645
May-2022	643
Jun-2022	640
Jul-2022	638
Aug-2022	635
Sep-2022	633
Oct-2022	631
Nov-2022	628
Dec-2022	626

Month	Gas Volume
Jan-2023	623
Feb-2023	621
Mar-2023	619
Apr-2023	616
May-2023	614
Jun-2023	611
Jul-2023	609
Aug-2023	607
Sep-2023	604
Oct-2023	602
Nov-2023	600
Dec-2023	598
Jan-2024	595
Feb-2024	593
Mar-2024	591
Apr-2024	588
May-2024	586
Jun-2024	584
Jul-2024	582
Aug-2024	580
Sep-2024	577
Oct-2024	575
Nov-2024	573
Dec-2024	571
Jan-2025	569
Feb-2025	566
Mar-2025	564
Apr-2025	562
May-2025	560
Jun-2025	558
Jul-2025	556
Aug-2025	553
Sep-2025	551
Oct-2025	549
Nov-2025	547
Dec-2025	545