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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised March 25, 1999

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		WELL API NO. 30-045-26559
2. Name of Operator BP America Production Company Attn: Mary Corley		5. Indicate Type of Lease STATE FEE
3. Address of Operator P.O. Box 3092 Houston, TX 77253		6. State Oil & Gas Lease No.
4. Well Location Unit Letter D 820 feet from the North line and 810 feet from the West line Section 31 Township 28N Range 08W NMPM San Juan County		7. Lease Name or Unit Agreement Name: Schwerdtfeger A LS (Also filed on BLM Form 3160-5 Federal Lease SF - 079319)
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5900' GR		8. Well No. 10A
		9. Pool name or Wildcat Blanco Mesaverde & Otero Chacra

11. 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 COMPLETION ☐
OTHER: **Downhole Commingle** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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 America Production Company request permission to recomplete 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 NMOC 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 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.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 04/23/2003

Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 28 2003

Conditions of approval, if any:

SJ Basin Well Work Procedure

Schwerdtfeger A LS 10A

Sec 31, T28N, R08W

API# 30045026559

1. Check anchors. MIRU workover rig.
2. Blow down well. Kill with 2% KCL water ONLY if necessary. ND WH and NU BOP's.
3. TOH with 2-3/8" string set at 4543'.
4. Clean out to PBTD at 4595'.
5. RIH and set CIBP at 3950'.
6. RIH w/ GR log.
7. RIH with 3-1/8" casing guns 2 SPF 120 deg phasing with Schlumberger's Prospector, select-fire charge. Perforate Chacra (correlate to GR log).
8. RU frac equipment. Use 2% KCL-N2 foam in fracture stimulation.
9. Frac Chacra down casing according to pump schedule.
10. Flowback frac fluid immediately.
11. RIH with work string and bit. Drill out CIBP set at 3650'. Continue clean out hole to PBTD at 4595'. Blow well dry with air package at PBTD. POH with work string.
12. Rabbit tubing and RIH with 2-3/8" production tubing (with X-nipple and plug on bottom). Replace any joints that fail the pressure test.
13. Land 2-3/8" production tubing at 4520'.
14. Swab water from tubing with the sandline.
15. RU slickline unit. Run gauge ring for 2-3/8" tubing. Pull plug. RD slickline unit.
16. ND BOP's. NU WH. Test well for air. Return well to production.

Schwerdtfeger A LS 10A

Sec 31, T28N, R8W

API #: 3004526559

GL: 5900'

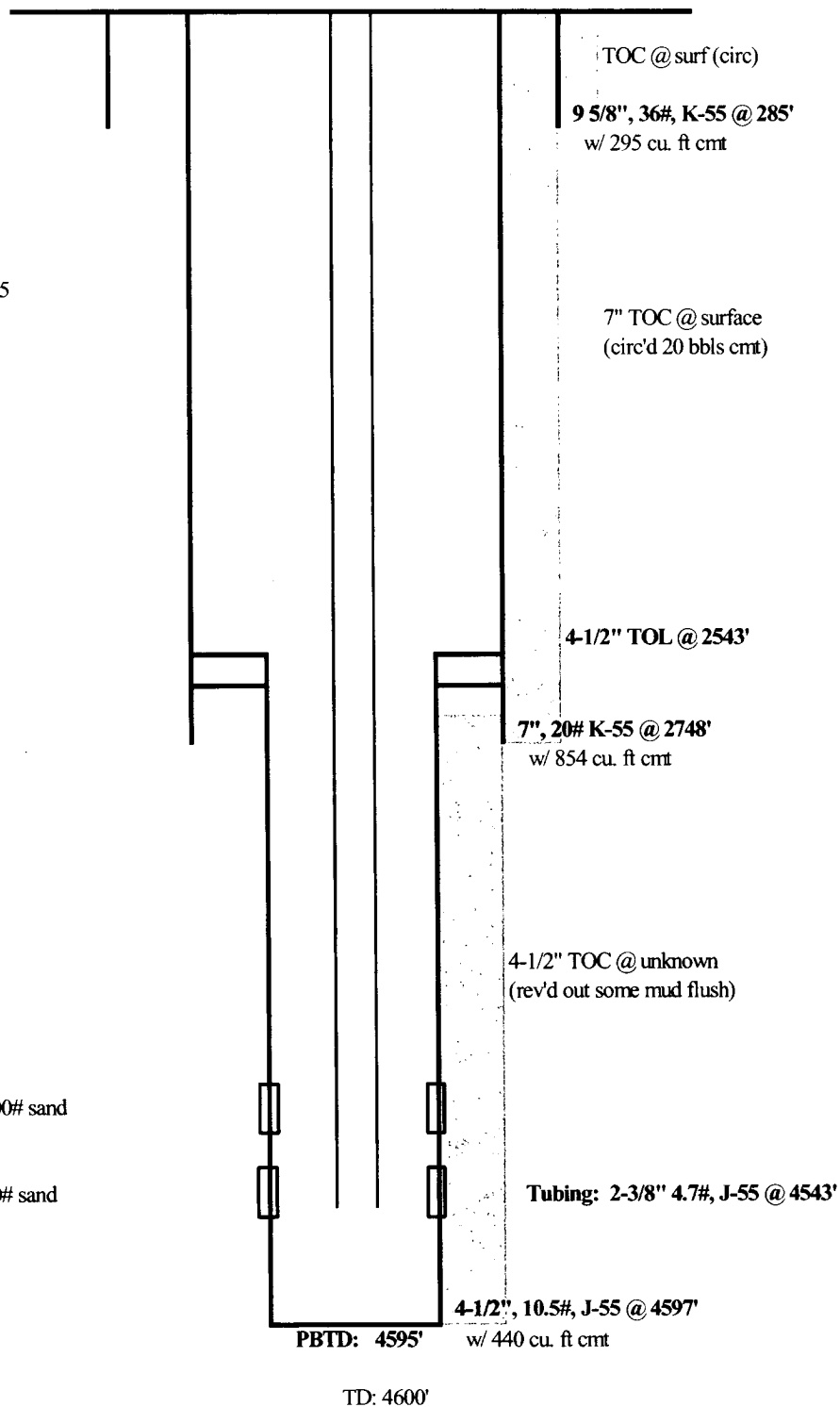
History:

- Drilled and completed in 1985
- Wellwork in Feb 2002

MV perforations

4042' - 4218', frac'd w/ 145,000# sand

4290' - 4556', frac'd w/ 97,200# sand



updated: 04/07/03 az

Schwerdtfeger A LS 10A

Future Production Decline Estimate Mesaverde

(Monthly Factor .00323)

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 164 \text{ MCFD (05/2002)}$
 $Q_f = 153 \text{ MCFD (10/2002)}$
 $t = 5 \text{ months (041666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes

$114/124 = .93293$
 $.91935 * .41666 = .03887$
 0.003239167

Month	Gas Volume
Jan-2002	139
Feb-2002	127
Mar-2002	187
Apr-2002	173
May-2002	164
Jun-2002	151
Jul-2002	162
Aug-2002	233
Sep-2002	387
Oct-2002	153
Nov-2002	134
Dec-2002	136
Jan-2003	136
Feb-2003	136
Mar-2003	136
Apr-2003	136
May-2003	136
Jun-2003	136
Jul-2003	136
Aug-2003	136
Sep-2003	136
Oct-2003	136
Nov-2003	136
Dec-2003	135
Jan-2004	135
Feb-2004	135
Mar-2004	135
Apr-2004	135
May-2004	135
Jun-2004	135
Jul-2004	135
Aug-2004	135
Sep-2004	135
Oct-2004	135
Nov-2004	135
Dec-2004	135

Month	Gas Volume
Jan-2005	135
Feb-2005	135
Mar-2005	135
Apr-2005	134
May-2005	134
Jun-2005	134
Jul-2005	134
Aug-2005	134
Sep-2005	134
Oct-2005	134
Nov-2005	134
Dec-2005	134
Jan-2006	134
Feb-2006	134
Mar-2006	134
Apr-2006	134
May-2006	134
Jun-2006	134
Jul-2006	134
Aug-2006	134
Sep-2006	134
Oct-2006	134
Nov-2006	134
Dec-2006	134
Jan-2007	134
Feb-2007	134
Mar-2007	134
May-2007	133
Jun-2007	133
Jul-2007	133
Aug-2007	133
Sep-2007	133
Oct-2007	133
Nov-2007	133
Dec-2007	133
Jan-2008	133

Month	Gas Volume
Feb-2008	133
Mar-2008	132
Apr-2008	132
May-2008	131
Jun-2008	131
Jul-2008	130
Aug-2008	130
Sep-2008	130
Oct-2008	129
Nov-2008	129
Dec-2008	128
Jan-2009	128
Feb-2009	127
Mar-2009	127
Apr-2009	126
May-2009	126
Jun-2009	126
Jul-2009	125
Aug-2009	125
Sep-2009	124
Oct-2009	124
Nov-2009	123
Dec-2009	123
Jan-2010	123
Feb-2010	122
Mar-2010	122
Apr-2010	121
May-2010	121
Jun-2010	120
Jul-2010	120
Aug-2010	120
Sep-2010	119
Oct-2010	119
Nov-2010	118
Dec-2010	118
Jan-2011	118

Schwerdtfeger A LS 10A

Future Production Decline Estimate Mesaverde

(Monthly Factor .00323)

Month	Gas Volume
Feb-2011	117
Mar-2011	117
Apr-2011	116
May-2011	116
Jun-2011	116
Jul-2011	115
Aug-2011	115
Sep-2011	114
Oct-2011	114
Nov-2011	114
Dec-2011	113
Jan-2012	113
Feb-2012	112
Mar-2012	112
Apr-2012	112
May-2012	111
Jun-2012	111
Jul-2012	110
Aug-2012	110
Sep-2012	110
Oct-2012	109
Nov-2012	109
Dec-2012	109
Jan-2013	108
Feb-2013	108
Mar-2013	107
Apr-2013	107
May-2013	107
Jun-2013	106
Jul-2013	106
Aug-2013	106
Sep-2013	105
Oct-2013	105
Nov-2013	105
Dec-2013	104
Jan-2014	104

Month	Gas Volume
Feb-2014	103
Mar-2014	103
Apr-2014	103
May-2014	103
Jun-2014	102
Jul-2014	102
Aug-2014	102
Sep-2014	101
Oct-2014	101
Nov-2014	101
Dec-2014	100
Jan-2015	100
Feb-2015	100
Mar-2015	100
Apr-2015	99
May-2015	99
Jun-2015	99
Jul-2015	98
Aug-2015	98
Sep-2015	98
Oct-2015	97
Nov-2015	97
Dec-2015	97
Jan-2016	97
Feb-2016	96
Mar-2016	96
Apr-2016	96
May-2016	95
Jun-2016	95
Jul-2016	95
Aug-2016	95
Sep-2016	94
Oct-2016	94
Nov-2016	94
Dec-2016	93
Jan-2017	93

Month	Gas Volume
Feb-2017	93
Mar-2017	93
Apr-2017	92
May-2017	92
Jun-2017	92
Jul-2017	91
Aug-2017	91
Sep-2017	91
Oct-2017	91
Nov-2017	90
Dec-2017	90
Jan-2018	90
Feb-2018	90
Mar-2018	89
Apr-2018	89
May-2018	89
Jun-2018	89
Jul-2018	88
Aug-2018	88
Sep-2018	88
Oct-2018	87
Nov-2018	87
Dec-2018	87
Jan-2019	87
Feb-2019	86
Mar-2019	86
Apr-2019	86
May-2019	86
Jun-2019	85
Jul-2019	85
Aug-2019	85
Sep-2019	85
Oct-2019	84
Nov-2019	84
Dec-2019	84
Jan-2020	84

Month	Gas Volume
Feb-2020	83
Mar-2020	83
Apr-2020	82
May-2020	82
Jun-2020	82
Jul-2020	81
Aug-2020	81
Sep-2020	80
Oct-2020	80
Nov-2020	80
Dec-2020	79
Jan-2021	79
Feb-2021	78
Mar-2021	78
Apr-2021	78
May-2021	77
Jun-2021	77
Jul-2021	76
Aug-2021	76
Sep-2021	76
Oct-2021	75
Nov-2021	75
Dec-2021	75
Jan-2022	74
Feb-2022	74
Mar-2022	73
Apr-2022	73
May-2022	73
Jun-2022	72
Jul-2022	72
Aug-2022	72
Sep-2022	71
Oct-2022	71
Nov-2022	71
Dec-2022	70
Jan-2023	70

Schwerdtfeger A LS 10A
Future Production Decline Estimate Mesaverde
(Monthly Factor .00323)

Month	Gas Volume
Feb-2023	69
Mar-2023	69
Apr-2023	69
May-2023	68
Jun-2023	68
Jul-2023	68
Aug-2023	67
Sep-2023	67
Oct-2023	67
Nov-2023	66
Dec-2023	66
Jan-2024	66
Feb-2024	65
Mar-2024	65
Apr-2024	65
May-2024	64
Jun-2024	64
Jul-2024	64
Aug-2024	63
Sep-2024	63
Oct-2024	63
Nov-2024	63
Dec-2024	62
Jan-2025	62
Feb-2025	62
Mar-2025	61
Apr-2025	61
May-2025	61
Jun-2025	60
Jul-2025	60
Aug-2025	60
Sep-2025	59
Oct-2025	59
Nov-2025	59
Dec-2025	59
Jan-2026	58

Month	Gas Volume
Feb-2026	58
Mar-2026	58
Apr-2026	57
May-2026	57
Jun-2026	57
Jul-2026	57
Aug-2026	56
Sep-2026	56
Oct-2026	56
Nov-2026	55
Dec-2026	55
Jan-2027	55
Feb-2027	55
Mar-2027	54
Apr-2027	54
May-2027	54
Jun-2027	54
Jul-2027	53
Aug-2027	53
Sep-2027	53
Oct-2027	52
Nov-2027	52
Dec-2027	52
Jan-2028	52
Feb-2028	51
Mar-2028	51
Apr-2028	51
May-2028	51
Jun-2028	50
Jul-2028	50
Aug-2028	50
Sep-2028	50
Oct-2028	49
Nov-2028	49
Dec-2028	49
Jan-2029	49

Month	Gas Volume
Feb-2029	48
Mar-2029	48
Apr-2029	48
May-2029	48
Jun-2029	47
Jul-2029	47
Aug-2029	47
Sep-2029	47
Oct-2029	47
Nov-2029	46
Dec-2029	46
Jan-2030	46
Feb-2030	46
Mar-2030	45
Apr-2030	45
May-2030	45
Jun-2030	45
Jul-2030	44
Aug-2030	44
Sep-2030	44
Oct-2030	44
Nov-2030	44
Dec-2030	43
Jan-2031	43
Feb-2031	43
Mar-2031	43
Apr-2031	42
May-2031	42
Jun-2031	42
Jul-2031	42
Aug-2031	42
Sep-2031	41
Oct-2031	41
Nov-2031	41
Dec-2031	41
Jan-2032	41

Month	Gas Volume
Feb-2032	40
Mar-2032	40
Apr-2032	40
May-2032	40
Jun-2032	39
Jul-2032	39
Aug-2032	39
Sep-2032	39
Oct-2032	39
Nov-2032	38
Dec-2032	38
Jan-2033	38
Feb-2033	38
Mar-2033	38
Apr-2033	38
May-2033	37
Jun-2033	37
Jul-2033	37
Aug-2033	37
Sep-2033	37
Oct-2033	36
Nov-2033	36
Dec-2033	36
Jan-2034	36
Feb-2034	36
Mar-2034	35
Apr-2034	35
May-2034	35
Jun-2034	35
Jul-2034	35
Aug-2034	35
Sep-2034	34
Oct-2034	34
Nov-2034	34
Dec-2034	34
Jan-2035	34