

Sec : 27 Twp : 30N Rng : 08W Section Type : NORMAL

D 40.00 Federal owned A	C 40.00 Federal owned	B 40.00 Federal owned	A 40.00 Fee owned A A
E 40.00 Federal owned	F 40.00 Federal owned A	G 40.00 Federal owned A	H 40.00 Federal owned
L 40.00 Federal owned A A A	K 40.00 Federal owned	J 40.00 Federal owned A	I 40.00 Federal owned
M 40.00 Federal owned A	N 40.00 Federal owned	O 40.00 Federal owned	P 40.00 Federal owned A

CMD : ONGARD 09/09/04 08:54:58
 OG6CLOG C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -TP0M

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Prop Identifier : 589 GARTNER A
 API Well Identifier : 30 45 31171 Well No : 005M
 Surface Locn - UL : L Sec : 27 Twp : 30N Range : 08W Lot Idn :
 Multiple comp (S/M/C) : C TVD Depth (Feet) : 7496 MVD Depth (Feet) : 7496
 Spud Date : 11-29-2002 P/A Date :
 Casing/Linear Record:

S Size	Grade Weight	Depth(ft)	Depth(ft)	Hole Size	Cement	----	TOC	----
(inches)	(lb/ft)	Top-Liner	Bot-Liner	(inches)	(Sacks)	(feet)	Code	
9.625	32.0	0.0	219.0	13.500	195		C	
7.000	20.0	0.0	3399.0	8.750	415		C	
4.500	12.0	0.0	7493.0	6.250	200		C	

E0009: Enter data to modify record

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD : ONGARD 09/09/04 08:54:53
 OGIWCM INQUIRE WELL COMPLETIONS OGOMES -TPOM

API Well No : 30 45 31171 Eff Date : 12-31-2002 WC Status : A
 Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 OGRID Idn : 778 BP AMERICA PRODUCTION COMPANY
 Prop Idn : 589 GARTNER A

Well No : 005M
 GL Elevation: 6142

U/L Sec Township Range North/South East/West Prop/Act (P/A)

 B.H. Locn : K 27 30N 08W FTG 1945 F S FTG 1150 F W P
 Lot Identifier:
 Dedicated Acre: 320.00
 Lease Type : F
 Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06
 PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD :
OG6ACRE

ONGARD
C102-DEDICATE ACREAGE

09/09/04 08:55:28
OGOMES -TPOM
Page No : 1

API Well No : 30 45 31171 Eff Date : 04-30-1991
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
Prop Idn : 589 GARTNER A Well No : 005M
Spacing Unit : 34416 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : 27 30N 08W Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot Idn
C	27	27	30N	08W	40.00	N	FD	
D	27	27	30N	08W	40.00	N	FD	
E	27	27	30N	08W	40.00	N	FD	
F	27	27	30N	08W	40.00	N	FD	
K	27	27	30N	08W	40.00	N	FD	
L	27	27	30N	08W	40.00	N	FD	
M	27	27	30N	08W	40.00	N	FD	
N	27	27	30N	08W	40.00	N	FD	

E0005: Enter data to modify or PF keys to scroll
PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

District I
P. O. Box 1980, Hobbs, NM 88241-1980
District II
P. O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos, Aztec, NM 84710

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 S SAINT FRANCIS DRIVE
Santa Fe, NM 87505
OPERATOR'S MONTHLY REPORT

Form C-115 First Page
Revised October 17, 1993
Instruction on Reverse Side
1 ☒ Amended Report

OPERATOR HERITAGE CORP										3 OGRID 208932		MONTH/YEAR 04-03					
ADDRESS: 2911 TURTLE CREEK BLVD DALLAS TEXAS										6 Page 1							
		INJECTION		PRODUCTION				DISPOSITION OF OIL, GAS, AND WATER									
7 POOL NO. AND NAME Property No. and Name Well No. & U-L-S-T-R API No.		8 C O D E	9 Volume	10 Pressure	11 C O D E	12 Barrels of oil/conden sate produced	13 Barrels of water produced	14 MCF Gas Produced	15 Days Prod- uced	16 C O D E	17 Point of Disposition	18 Gas BTU or Oil API Gravity	19 Oil on hand at beginning of month	20 Volume (Bbls/mcf)	21 Transporter Ogrid	22 C O D E	23 Oil on hand at end of month
70560 ARENA ROJA PENN 028951 MEXICO P FED 30-025-22405		F				425		24639	30	O O G	957610 957610 957630	57 1184	432	366 5 24639	021778 020809	S	486

I hereby certify that the information contained in this report is true and complete to the best of my knowledge.
24

Signature _____ Printed Name & Title PAM CLEMENTS Date _____ Phone Number 214-526-8118

CMD : ONGARD 09/09/04 08:55:37
 OG6IPRD INQUIRE PRODUCTION BY POOL/Well OGOMES -TPOM
 Page No: 1

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)

API Well No : 30 45 31171 Report Period - From : 01 2000 To : 08 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 31171 GARTNER A		01 03 31	3007	33 F
30 45 31171 GARTNER A		02 03 28	11903	30 F
30 45 31171 GARTNER A		03 03 31	12689	33 F
30 45 31171 GARTNER A		04 03 31	11432	32 P
30 45 31171 GARTNER A		05 03 31	13689	33 P
30 45 31171 GARTNER A		06 03 28	10756	30 F
30 45 31171 GARTNER A		07 03 31	14786	33 F

Reporting Period Total (Gas, Oil) : -----

M0025: Enter PF keys to scroll
 PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD : ONGARD 09/09/04 08:55:40
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPOM
 Page No: 2

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 31171 Report Period - From : 01 2000 To : 08 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 31171	GARTNER A	08 03 31	11227	5 33 F
30 45 31171	GARTNER A	09 03 30	10009	3 32 F
30 45 31171	GARTNER A	10 03 31	10769	1 33 P
30 45 31171	GARTNER A	11 03 30	10523	2 32 P
30 45 31171	GARTNER A	12 03 31	10770	1 33 P
30 45 31171	GARTNER A	01 04 31	9093	3 33 P
30 45 31171	GARTNER A	02 04 3	9287	2 3 P

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPPOOL PF11 NXTOGD PF12

CMD : ONGARD 09/09/04 08:55:41
 OG6IPRD INQUIRE PRODUCTION BY POOL/Well OGOMES -TP0M
 Page No: 3

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)

API Well No : 30 45 31171 Report Period - From : 01 2000 To : 08 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 31171	GARTNER A	03 04 1	9228	9 1 P
30 45 31171	GARTNER A	04 04 30	9552	1 32 P
30 45 31171	GARTNER A	05 04 31	9869	6 27 P
30 45 31171	GARTNER A	06 04 30	7699	2 43 P

Reporting Period Total (Gas, Oil) : 186288 61 526

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD : ONGARD 09/09/04 08:54:49
 OG6IWCN INQUIRE WELL COMPLETIONS OGOMES -TP0M

API Well No : 30 45 31171 Eff Date : 12-31-2002 WC Status : A
 Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
 OGRID Idn : 778 BP AMERICA PRODUCTION COMPANY
 Prop Idn : 589 GARTNER A

Well No : 005M
 GL Elevation: 6142

U/L Sec Township Range North/South East/West Prop/Act (P/A)

 B.H. Locn : K 27 30N 08W FTG 1948 F S FTG 2037 F W P
 Lot Identifier:
 Dedicated Acre: 320.00
 Lease Type : F
 Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll
 PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
 PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD :
OG6ACRE

09/09/04 08:55:05
OGOMES -TPOM
Page No : 1

ONGARD
C102-DEDICATE ACREAGE
API Well No : 30 45 31171 Eff Date : 12-31-2002
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
Prop Idn : 589 GARTNER A
Spacing Unit : 56920 OCD Order :
Sect/Twp/Rng : 27 30N 08W Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
C	27	27	30N	08W	40.00	N	FD		
D	27	27	30N	08W	40.00	N	FD		
E	27	27	30N	08W	40.00	N	FD		
F	27	27	30N	08W	40.00	N	FD		
K	27	27	30N	08W	40.00	N	FD		
L	27	27	30N	08W	40.00	N	FD		
M	27	27	30N	08W	40.00	N	FD		
N	27	27	30N	08W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll
PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 09/09/04 08:55:13
 OG6IPRD INQUIRE PRODUCTION BY POOL/Well OGOMES -TPOM
 Page No: 1

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
 Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)
 API Well No : 30 45 31171 Report Period - From : 01 2000 To : 08 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 31171	GARTNER A	01 03 31	2562	28 F
30 45 31171	GARTNER A	02 03 28	10139	26 F
30 45 31171	GARTNER A	03 03 31	10809	28 F
30 45 31171	GARTNER A	04 03 30	9739	27 P
30 45 31171	GARTNER A	05 03 31	11661	28 P
30 45 31171	GARTNER A	06 03 28	9162	26 F
30 45 31171	GARTNER A	07 03 31	12595	28 F

Reporting Period Total (Gas, Oil) : -----

M0025: Enter PF keys to scroll
 PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD :
OG6IPRD

ONGARD
INQUIRE PRODUCTION BY POOL/Well
09/09/04 08:55:16
OGOMES -TP0M
Page No: 2

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)

API Well No : 30 45 31171 Report Period - From : 01 2000 To : 08 2004

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 31171	GARTNER A	08 03 31	9563	4 28 F
30 45 31171	GARTNER A	09 03 30	8527	2 28 F
30 45 31171	GARTNER A	10 03 31	9173	1 28 P
30 45 31171	GARTNER A	11 03 30	8964	1 27 P
30 45 31171	GARTNER A	12 03 31	9174	2 28 P
30 45 31171	GARTNER A	01 04 31	7746	2 28 P
30 45 31171	GARTNER A	02 04 3	7912	2 3 P

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD :
OG6IPRD

ONGARD
INQUIRE PRODUCTION BY POOL/Well

09/09/04 08:55:17
OGOMES -TPOM
Page No: 3

OGRID Identifier : 778 BP AMERICA PRODUCTION COMPANY
Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)

API Well No : 30 45 31171 Report Period - From : 01 2000 To : 08 2004

API Well No	Property Name	Prodn. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30	45 31171 GARTNER A	03 04	1	7861	7	1	P
30	45 31171 GARTNER A	04 04	30	8137	1	27	P
30	45 31171 GARTNER A	05 04	31	8407	6	23	P
30	45 31171 GARTNER A	06 04	30	6559	1	37	P

Reporting Period Total (Gas, Oil) : 158690 49 449

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER		5. Lease Serial No. SF - 080597 080597
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BP AMERICA PRODUCTION COMPANY Contact: MARY CORLEY E-Mail: corleyml@bp.com		7. If Unit or CA Agreement, Name and No.
3a. Address P.O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700	8. Lease Name and Well No. GARTNER A 5M
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SWSW Lot L 1945FSL 1150FWL 36.46900 N Lat, 107.40100 W Lon At proposed prod. zone NESW Lot K 2500FSL 1980FWL 36.46900 N Lat, 107.40100 W Lon		9. API Well No. 30045 31171
14. Distance in miles and direction from nearest town or post office* 22 MILES FROM BLOOMFIELD, NEW MEXICO		10. Field and Pool, or Exploratory BASIN DAKOTA/BLANCO MESAVER
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1150	16. No. of Acres in Lease 320.00	11. Sec., T., R., M., or Blk. and Survey or Area L Sec 27 T30N R8W Mer NMP
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 500	19. Proposed Depth 7515 MD 7398 TVD	12. County or Parish SAN JUAN
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6142 GL	22. Approximate date work will start 10/08/2002	13. State NM
23. Estimated duration 7 DAYS		17. Spacing Unit dedicated to this well 320.00 w/2

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MARY CORLEY	Date 08/15/2002
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) /s/ David J. Mankiewicz	Name (Printed/Typed)	Date SEP 19
Title AEM	Office FEO	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.

Additional Operator Remarks (see next page)

Electronic Submission #13577 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

HOLD C104 FOR Directed Survey NMOC
and change in status to #5R

District I -
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-31171	Pool Code 71599? 72319	Pool Name BASIN DAKOTA ? BLANCO MESA VERDE
Property Code 00589	Property Name GARTNER A	Well Number 5M
GRID No. 000778	Operator Name BP AMERICA PRODUCTION COMPANY	Elevation 6142

Surface Location

UL or Lot No.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
L	27	30 N	8 W		1945	SOUTH	1150	WEST	SAN JUAN

Bottom Hole Location if Different From Surface

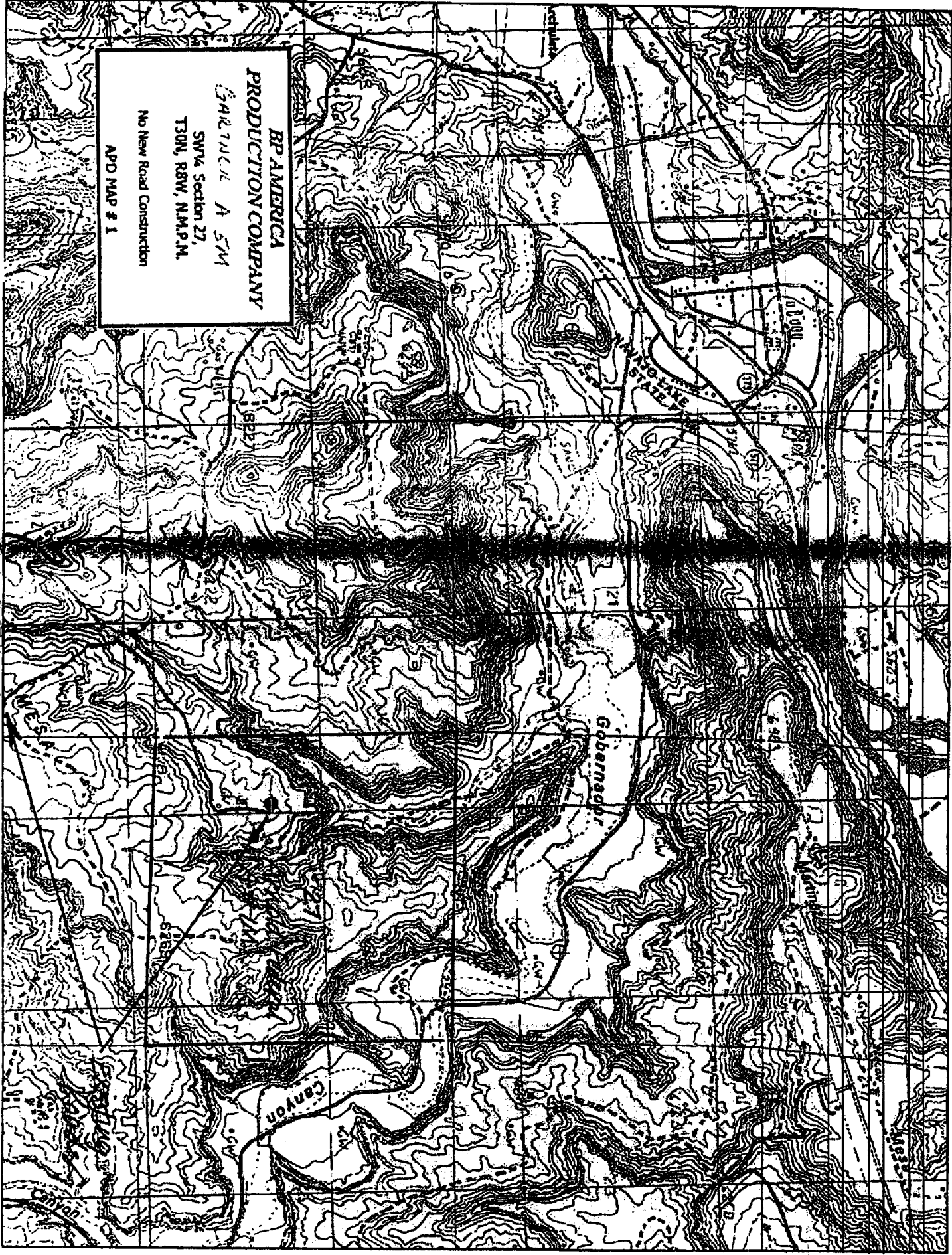
UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
K	27	30 N	8 W		2500	SOUTH	1980	WEST	SAN JUAN

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWANCE 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. <i>Mary Corley</i> Signature MARY CORLEY Printed Name Sr. Regulatory Analyst Title 08.15.2002 Date
	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. July 19, 2002 Date of Survey Signature and Seal of Professional Surveyor 7016 Certificate Number

BP AMERICA
PRODUCTION COMPANY
GARFIELD A 5M
SW 1/4 Section 27,
T30N, R8W, N4M, P1M,
No New Road Construction
APD MAP # 1



**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Gartner A
Lease: Gartner A

County: San Juan
State: New Mexico
Date: August, 9, 2002

Well No: 5M
Surface Location: 27-30N-08W, 1940 FSL, 1150
FWL
Field: Blanco Mesaverde/Basin Dakota
Bottom Location: 27-30N08W, 1940FSL, 1980FWL

OBJECTIVE: Drill 50' below the base of the Lower Cubero, set 4 1/2" production casing, Stimulate LS, CH, MF, PL and DK intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 6144		Estimated KB: 6158	
Rotary	0 - TD	MARKER	TVD	MEAS. DEPTH	
LOG PROGRAM		Ojo Alamo	1742	1783	
		Kirtland	1956	2007	
		Fruitland Coal	*	2513	
		Pictured Cliffs	*	2922	
		Lewis Shale	#	3180	
		Cliff House	#	4450	
		Menefee Shale	#	4790	
		Point Lookout	#	5127	
		Mancos	5516	5633	
		Greenhorn	7106	7223	
		Bentonite Marker	7156	7273	
		Two Wells	#	7212	
		Paguate	#	7293	
		Upper Cubero	*	7321	
		Lower Cubero	*	7348	
		TOTAL DEPTH	7398	7515	
		# Probable completion interval		* Possible Pay	
		DRILL CUTTING SAMPLES		DRILLING TIME	
		FREQUENCY	DEPTH	FREQUENCY	DEPTH
		none	Production hole	Geograph	0-TD
REMARKS:					
		- Please report any flares (magnitude & duration).			

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		none	Production hole	Geograph	0-TD
REMARKS:					

MUD PROGRAM:						
Approx. Interval		Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
0	- 200	Spud	8.6-9.2			
200	- 3392	Water/LSND	8.6-9.2		<6	
3392	- 7515	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			

REMARKS:
(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)						
Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	200	9 5/8"	H-40 ST&C	32#	12.25"	1
Intermediate	3392	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	7515	4 1/2"	J-55	11.6#	6.25"	3

REMARKS:
(1) Circulate Cement to Surface
(2) Set casing 100' into Lewis Shale
(3) Bring cement 100' above 7" shoe

CORING PROGRAM:
None

COMPLETION PROGRAM:
Rigless, 4-6 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:
Notify BLM/NMOCDD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by: _____ Logging program reviewed by: N/A

PREPARED BY: HGJ/MNP	APPROVED:	DATE: 9 th August 2002 Version 1.0
--------------------------------	------------------	--

BP America Production Company

BOP Pressure Testing Requirements

Well Name: Gartner A
County: San Juan

5M
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1742		
Kirtland	1956		
Fruitland Coal	2513		
PC	2922		
Lewis Shale	3180		
Cliff House	4450	500	0
Menefee Shale	4790		
Point Lookout	5127	600	0
Mancos	5516		
Dakota	7293	2600	1391

** Note: Determined using the following formula: $ABHP = (.22 \cdot TVD) + ASP$

Requested BOP Pressure Test Exception: 1500 psi
SAN JUAN BASIN
Dakota Formation
Pressure Control Equipment

Background

The objective Dakota formation maximum surface pressure is anticipated to be less than 1000 psi, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 psi. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 psi system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 psi rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth in the Basin Dakota. No abnormal temperature, pressure, or H₂S anticipated.

Equipment Specification

Interval

Below conductor casing to total depth

BOP Equipment

11" nominal or 7 1/16", 3000 psi
double ram preventer with rotating
head.

All ram type preventers and related control equipment will be hydraulically tested to 250 psi (low pressure) and 2000 psi (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock, upper kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure.

Cementing Program

Well Name: Gartner A 5M Location: 27-30N-8W, 1940 FSL, 1150 FWL County: San Juan State: New Mexico	Field: Blanco Mesaverde / Basin Dakota API No. Well Flac Formation: Dakota MesaVerde KB Elev (est) 6158 GL Elev. (est) 6144
---	--

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)	Cmt Cir. Out (bbl.)
Surface	200	12.25	9.625	ST&C	Surface	NA	
Intermediate	3392	8.75	7	LT&C	Surface	NA	
Production -	7515	6.25	4.5	?	3292	NA	

Casing Properties:

(No Safety Factor Included)

Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)
Surface	9.625	32	H-40	3370	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	234	0.0405	6.456
Production -	4.5	11.6	J-55	5350	4960	154	0.0155	3.875

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	Recommended Mud Properties Prio Cementing:
			PV <20
			YP <10
			Fluid Loss <15
0 - SCP	Water/Spud	8.6-9.2	
SCP - ICP	Water/LSND	8.6-9.2	
ICP - ICP2	Gas/Air Mist	NA	
ICP2 - TD	LSND	8.6 - 9.2	

Cementing Program:

	Surface	Intermediate	Production
Excess %, Lead	100	75	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	75	120	183
Special Instructions	1,6,7	1,6,8	2,4,6

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

*Do not wash up on top of plug. Wash lines before displacing production cement job to minimize drillout.

Surface:

Preflush	20 bbl.	FreshWater
Slurry 1	110 sx Class G Cement	125 cuft
TOC@Surface	+ 2% CaCl ₂ (accelerator)	
	0.25 #/sk Cellophane Flake (lost circulation additive)	0.3132 cuft/ft OH
	0.1% D46 antifoam	
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)
	Water (gal/sk)	
Slurry 1	15.8	1.16
		4.95

Cementing Program

Casing Equipment: 9-5/8", 8R, ST&C
 1 Guide Shoe
 1 Top Wooden Plug
 1 Autofill insert float valve
 Centralizers, 1 per joint except top joint
 1 Stop Ring
 1 Thread Lock Compound

Intermediate:

Fresh Water	20 bbl	fresh water
Lead Slurry 1 <u>TOC@Surface</u>	290 sx Class "G" Cement + 3% D79 extender + 2% S1 Calcium Chloride + 1/4 #/sk. Cellophane Flake + 0.1% D46 antifoam'	743 cuft
Tail Slurry 2 500 ft fill	60 sx 50/50 Class "G"/Poz + 2% gel (extender) 0.1% D46 antifoam + 1/4 #/sk. Cellophane Flake <u>+ 2% CaCl2 (accelerator)</u>	75 cuft 0.1503 cuft/ft OH 0.1746 cuft/ft csg ann

Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry 1	11.4	2.61	17.77
Slurry 2	13.5	1.27	5.72

Casing Equipment: 7", 8R, ST&C
 1 Float Shoe (autofill with minimal LCM in mud)
 1 Float Collar (autofill with minimal LCM in mud)
 1 Stop Ring
 14 Centralizers (one in middle of first joint, then every third collar)
 2 Fluidmaster vane centralizers @ base of Ojo
 1 Top Rubber Plug
 1 Thread Lock Compound

Production:

Fresh Water	10 bbl	CW100
Lead Slurry 1 <u>TOC, 100' above 7" shoe</u>	160 LiteCrete D961 / D124 / D154 + 0.03 gps D47 antifoam + 0.5% D112 fluid loss + 0.11% D65 TIC	394 cuft
Tail Slurry 2 1382 ft fill	140 sx 50/50 Class "G"/Poz + 5% D20 gel (extender) + 0.1% D46 antifoam + 1/4 #/sk. Cellophane Flake + 0.25% D167 Fluid Loss	199 cuft + 5 #/sk D24 gilsonite + 0.15% D65 TIC + 0.1% D800 retarder 0.1026 cuft/ft OH

Cementing Program

Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)	
Slurry 1	9.5	2.52	6.38	0.1169 cuft/ft csg ann
Slurry 2	13	1.44	6.5	Top of Mancos 5633

Casing Equipment:

- 4-1/2", 8R, ST&C
- 1 Float Shoe (autofill with minimal LCM in mud)
- 1 Float Collar (autofill with minimal LCM in mud)
- 1 Stop Ring
- Centralizers, every 4th joint in mud drilled holes, none in air drilled holes.
- 1 Top Rubber Plug
- 1 Thread Lock Compound

Submit 3 Copies To Appropriate District Office
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
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

WELL API NO. 30-045-31171
5. Indicate Type of Lease STATE FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Gartner A (Also filed on BLM Form 3160-5 SF-080597)
8. Well No. 5M
9. Pool name or Wildcat Basin Dakota & Blanco Mesaverde

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: Mary Corley

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

4. Well Location
Unit Letter **L** **1945** feet from the **South** line and **1150** feet from the **West** line
Section **27** Township **30N** Range **08W** NMPM **San Juan** County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
6142' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐	REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐
OTHER: Downhole Commingle ☒	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.

On 08/15/2002, BP America Production Company submitted an application for permit to drill and complete the subject well into the Basin Dakota, test the Dakota, isolate the zone, then add the Blanco Mesaverde and commingle production Downhole. The completion into the Dakota is expected to be began in Mid November. We anticipate completion of the Mesaverde (see reverse side of form for procedure) shortly after the completion of the Dakota.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved for Downhole Commingling per NMOCDC Order R - 11363. The working and 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 a fixed percentage. We will perform a deliverability test on the Dakota, isolate the zone and complete into the Mesaverde. The deliverability test will be performed on the combined zones and Dakota rate will be subtracted from the total well stream to establish the Mesaverde rate.

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 10/24/2002
Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use)
APPROVED BY Original Signature TITLE STATE REGULATOR DATE 10/25/2002
Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMSF080597	
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name	
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone Not (include area code) Ph: 281.366.4491 Fx: 281.366.0700		8. Well Name and No. GARTNER A 5M	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T30N R8W SWSW Lot L 1940FSL 1150FWL 36.46900 N Lat, 107.40100 W Lon		9. API Well No. 30-045-31171-00-X1	
		10. Field and Pool, or Exploratory BASIN DAKOTA	
		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			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Well Spud
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplate 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 recompletion 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.)

APD ROW APD ROW WELL DIRECTIONALLY DRILLED

MIRU Drilling Unit. @ 00.45 Hrs on 11/29/2002 Spud a 13 1/2" surface hole. Drilled to 226'. RU & ran 9 5/8", 32.3# H-40 surface CSG to 219'. CMT w/195 SXS CLS G + 3% CACL2, 0.25#/SX D29, 15.8 PPG, Yield 1.16 cuft/sx. Circ good CMT to surface. CMT fell 35'. Mix & pumped 8 BBLS CMT to top off hole. CMT held. NU BOP & tested to 1500# high, 250# low. Test OK

Drilled out CMT. Drilled a 8 3/4" hole to 3417'. RU & set 7", 20# J-55 CSG to 3399'. CMT w/350 SXS CLS G Lead mixed @ 11.7 PPG, yield 2.63 cuft/sx & 65 SXS 13.5 PPG, CLS G CMT, yield 1.26 cuft/sx Tail. Circ 35 BBLS good CMT to surface. Pressure test to 1500# high, 250# Low. Test OK.

Drill out CMT. Drilled a 6 1/4" hole to 7496'. TD @ 08.30 hrs on 12/08/2002. RU & set 4 1/2",

14. I hereby certify that the foregoing is true and correct. Electronic Submission #16744 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 12/12/2002 (03AXG0390SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 12/09/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	ADRIENNE GARCIA Title PETROLEUM ENGINEER	Date 12/12/2002
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 Farmington

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOCD

Additional data for EC transaction #16744 that would not fit on the form

32. Additional remarks, continued

11.6#, J-55, production CSG to 7493'. CMT w/175 SXS CLS G Litecrete 9.5 PPG + additives. Tail w/200 SXS CLS G 50/50 POZ 13.0 PPG, 1.44 cu ft yield. 4 BBLs good CMT to pit. TOC 3299'. PBTD 7493'.

RDMOSU Rig release @ 09.00 hrs 12/09/2002.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMSF080597
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 281.368.4491 Fx: 281.368.0700		8. Well Name and No. GARTNER A 5M
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T30N R8W SWSW Lot L 1945FSL 1150FWL 36.46900 N Lat, 107.40100 W Lon		9. API Well No. 30-045-31171-00-X1
		10. Field and Pool, or Exploratory BASIN DAKOTA
		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
☐ Notice of Intent	☐ Acidize
☒ Subsequent Report	☐ Deepen
☐ Final Abandonment Notice	☐ Alter Casing
	☐ Fracture Treat
	☐ Casing Repair
	☐ New Construction
	☐ Change Plans
	☐ Plug and Abandon
	☐ Convert to Injection
	☐ Plug Back
	☐ Production (Start/Resume)
	☐ Reclamation
	☐ Recomplete
	☐ Temporarily Abandon
	☐ Water Disposal
	☐ Water Shut-Off
	☐ Well Integrity
	☒ Other Change to Original APD

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.)

APD filed on 08/15/2002 and approved on 09/19/2002. BP america respectfully request the following corrections be made to the well location for the subject well:

Surface Location: Correct from 1945' FSL & 1150' FWL to 1940' FSL & 1150' FWL

Bottom Hole Location: Correct from 2500' FSL & 1980' FWL to 1940' FSL & 1980' FWL

The correct (amended) surface and bottom hole locations are indicated on the original Form 46 and Directional Plot that was submitted with APD on 08/15/2002. Attached is Form C-102 with correct data supplied.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #16650 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 12/10/2002 (03AXG0359SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 12/05/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	ADRIENNE GARCIA Title PETROLEUM ENGINEER	Date 12/10/2002
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 Farmington		

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

HOLD C104 FOR Directional Survey

NMOCD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMSF080597	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BP AMERICA PRODUCTION CO		7. Unit or CA Agreement Name and No.	
3. Address P. O. BOX 3092 HOUSTON, TX 77253		8. Lease Name and Well No. GARTNER A 5M	
3a. Phone No. (include area code) Ph: 281.366.4491		9. API Well No. 30-045-31171-00-C1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 27 T30N R8W Mer NMP SWSW Lot L 1940FSL 1150FWL 36.46900 N Lat, 107.40100 W Lon At top prod interval reported below Sec 27 T30N R8W Mer NMP At total depth NESW Lot K 1940FSL 1980FWL 36.46900 N Lat, 107.40100 W Lon		10. Field and Pool, or Exploratory BASIN DAKOTA	
14. Date Spudded 11/29/2002		11. Sec., T., R., M., or Block and Survey of Area Sec 27 T30N R8W Mer NMP	
15. Date T.D. Reached 12/08/2002		12. County or Parish SAN JUAN	
16. Date Completed D & A 12/31/2002 ☒ Ready to Prod.		13. State NM	
17. Elevations (DF, KB, RT, GL)* 6142 GL			
18. Total Depth: MD 7496 TVD		19. Plug Back T.D.: MD 7493 TVD	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL OTH		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13.500	9.625 H-40	32.0	0	219		195		0	
8.750	7.000 J-55	20.0	0	3399		415		0	
6.250	4.500 J-55	12.0	0	7493		200		3299	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7390							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7344	7490	7344 TO 7490	0.330	50	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7344 TO 7490	84,953# OF 20/40 RESIN SAND & SLICKWATER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/19/2002	12/20/2002	12	→	1.0	381.0	1.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
3/4	SI	65.0	→					PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #17234 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOCD

ACCEPTED FOR RECORD

JAN 06 2003

FARMINGTON FIELD OFFICE

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
FLARED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
SAN JOSE	0	399		CLIFF HOUSE	4559
NACIMIENTO	399	1743		MENEFEE	4892
OJO ALAMO	1743	1929		POINT LOOKOUT	5243
				MANCOS	5717
				GREENHORN	7255
				DAKOTA	7277

32. Additional remarks (include plugging procedure):

Please see attached for well subsequent report. Well is downhole commingled with the Mesaverde formation.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #17234 Verified by the BLM Well Information System.

For BP AMERICA PRODUCTION CO, sent to the Farmington

Committed to AFMSS for processing by Adrienne Garcia on 01/06/2003 (03AXG0499SE)

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 01/02/2003

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Gartner A 5M
COMPLETION SUBSEQUENT REPORT
01/02/2003

12/10/2002 RU & run CBL & TDT log. RU & pressure test CSG to 3000# test ok.

12/13/2002 RU & Perf the Dakota with 2 SPF, 120° phasing as follows: .330 inch diameter, 25 Shots / 50 Holes

**7490', 7487', 7469', 7463', 7460', 7452', 7446', 7432', 7428', 7416', 7410', 7406', 7396',
7392', 7388', 7384', 7378', 7375', 7372', 7368', 7364', 7360', 7356', 7350', 7344'**

12/16/2002 RU & Frac w/64,953# of 20/40 Resin Sand & Slickwater. ND BOP & Frac Valve. NU Flow back cross & BOP. Flow back well thru ½" choke overnight.

12/17/2002 Flow back well thru ¾" choke until 0700 hrs. NU BOP on frac valve. TIH w/TBG. ND BOP & ND Frac Valve. Secure well & SDFN.

12/18/2002 TIH & tag fill @ 7453'. C/O to PBTD @ 7493'. PU above perms, RU & flow back thru ¾" choke overnight.

12/19/2002 TIH & tag fill @ 7485'. C/O to PBTD. RU & flow back thru ¾" choke overnight.

12/20/2002 TIH & tag 0 fill. PU above perms & flow test well for 12 hrs. thru ¾" choke. 381 MCF gas, FCP 625#. trace WTR, trace oil.

END OF DAKOTA COMPLETION.

BEGIN MESAVERDE COMPLETION.

12/20/2002 RU & TIH w/CIBP & set @ 5730'. RU & load hole w/2% KcL WTR. RU & perf Point Lookout & Menefee, 120° phasing as follows, .400 inch diameter, 2 JSPF 25 Shots / 50 Holes

**5377', 5369', 5365', 5359', 5346', 5338', 5334', 5330', 5320', 5316', 5300', 5281', 5270',
5258', 5248', 5240', 5230', 5224', 5196', 5190', 5149', 5136', 5124', 5120', 5114'**

12/23/2002 RU & Frac w/82,045# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @, 5100'. RU & perf Menefee & Cliffhouse, 120° phasing as follows: .400 inch diameter, 2 JSPF 26 Shots / 52 Holes

**5075', 5044', 5039', 5006', 5000', 4986', 4980', 4940', 4931', 4890', 4868', 4861', 4833',
4816', 4806', 4800', 4792', 4784', 4766', 4740', 4710', 4691', 4688', 4677', 4654'**

RU & Frac w/85,041# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Open well on ¾" choke & flow back overnight.

12/24/2002 Flowed back well thru ¾" choke. @ 0100 hrs upsized choke to ½" & flowed back 8 hrs. Upsized choke to ¾" & flowed back to pit.

12/26/2002 TIH & tag fill @ 5002'. C/O to CIBP set @ 5100'. PU above perms & SDFN.

12/27/2002 Flow back well thru $\frac{1}{4}$ " choke. TIH & tag fill @ 5080'. C/O to CIBP @ 5100'. Mill out CIBP. Circ hole clean. TIH & tag fill @ 5660'. C/O to 5718'. PU above perms & flow back well thru $\frac{1}{4}$ " choke.

12/28/2002 Flow back well thru $\frac{1}{4}$ " choke. TIH & tag fill @ 5698'. C/O to CIBP @ 5730'. PU above perms & flow test well for 12 hrs. thru $\frac{1}{4}$ " choke. 323 MCF gas, FCP 80#, 4 BBLS WTR, Trace oil.

12/30/2002 TIH & tag fill @ 5698'. C/O to CIBP set @ 5730'. Mill out CIBP & circ hole clean. TIH & tag fill @ 7487'. Circ hole clean to PBTD @ 7493'. RU & flow back well thru $\frac{1}{4}$ " choke overnight.

12/31/2002 TIH & tag 0' of fill. C/O to PBTD. Circ hole clean. RU & TIH w/BHA & TBG plug. TIH w/ 2 $\frac{3}{8}$ " production TBG & land @ 7390'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 0630 hrs.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF080597

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
GARTNER A 5M

9. API Well No.
30-045-31171-00-C2

10. Field and Pool, or Exploratory
BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey
or Area Sec 27 T30N R8W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

14. Date Spudded
11/29/2002

15. Date T.D. Reached
12/08/2002

16. Date Completed
12/31/2002

17. Elevations (DF, KB, RT, GL)
6142 GL

18. Total Depth: MD 7496 TVD

19. Plug Back T.D.: MD 7493 TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL OTH

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13.500	9.625 H-40	32.0	0	219		195		0	
8.750	7.000 J-55	20.0	0	3399		415		0	
6.250	4.500 J-55	12.0	0	7493		200		3299	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7390							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4654	5377	4654 TO 5075	0.400	52	
B)			5114 TO 5377	0.400	50	
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4654 TO 5075	85,041# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N2
5114 TO 5377	82,045# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N2

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/27/2002	12/28/2002	12	→	1.0	323.0	4.0			FLows FROM WELL

Choke Size 3/4

24 Hr. Rate →

Well Status PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size

24 Hr. Rate →

Well Status

ACCEPTED FOR RECORD

JAN 06 2003

FARMINGTON FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #17235 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOCD

✓

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

FLARED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
SAN JOSE NACIMIENTO OJO ALAMO	0	399		CLIFF HOUSE	4559
	399	1743		MENEFEE	4892
	1743	1929		POINT LOOKOUT	5243
		Ø		MANCOS	5717
				GREENHORN	7255
				DAKOTA	7277

32. Additional remarks (include plugging procedure):

Please see attached for well subsequent report. Well is downhole commingled with the Dakota formation.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #17235 Verified by the BLM Well Information System.
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 01/06/2003 (03AXG0500SE)

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVESignature (Electronic Submission)Date 01/02/2003

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SPRING IN THE MOUNTAINS, OMB Instruction on page 10

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator
BP America Production Co

3a. Address
200 Energy Ct. Farmington NM 87402

3b. Phone No. (include area code)
505-326-9221

4. Location of Well (Feetage, Sec., T., R., M., or Survey Description)
NW/SE Sec 27 T30N R8W

5. Lease Serial No.
NMSF080597

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Gardner A5m

9. API Well No.
3004531171

10. Field and Pool, or Exploratory Area
Dakota/Mosade

11. County or Parish, State
San Juan, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other First Deine
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 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/BEA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion 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.)

Subject well is downhole Cemented. The Dakota
hanyon will be repaired as mms Code C01. The as of
Jan 03. The mosawende hanyon will be repaired as
mms Code C02. as of Jan 03. well as a DHC first
delivered 08 Jan 03. Production estimated at 800 mcf/d
1 BOPD. 1 BWPD Gas is metered through E/Pass
field services meter #980665

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Signature Rhonda Compher

Title Business Analyst

Date 3 Feb 03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date

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
PO Box 1980, Hobbs, NM 88241-
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM
District IV
2040 South Pacheco, Santa Fe, NM

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies
☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address BP America Production Company P.O. Box 3092 Attention: Mary Corley Houston, TX 77253		2 OGRID Number 000778	
4 API Number 30-045-31171		3 Reason for Filing Code New Completion	
6 Pool Name Basin Dakota		6 Pool Code 71599	
7 Property Code 000589		9 Well Number 5M	

II. 10 Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	27	30N	08W		1940'	South	1150'	West	San Juan

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	30N	08W		2500'	South	1940'	West	San Juan

12 Lee Code F (Federal)	13 Producing Method Code F	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
----------------------------	-------------------------------	------------------------	------------------------	-------------------------	--------------------------

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
151618	EL PASO FIELD SERVICES BOX 4490 FARMINGTON, NM 87499	2834809	G	
9018	GIANT REFINING CO P.O. BOX 12999 SCOTTSDALE, AZ 85267	2834809	O	

IV. Produced Water

23 POD 2834810	24 POD ULSTR Location and Description
-------------------	---------------------------------------

V. Well Completion Data

25 Spud Date 11/29/2002	26 Ready Date 12/31/2002	27 TD 7495'	28 PSTD 7493'	29 Perforations 7344' - 7490'	30 DHC, DC, MC DHC - 952AZ
31 Hole Size 13 1/2"	32 Casing & Tubing Size 9 5/8" 32.3#	33 Depth Set 219'	34 Sacks Cement 195 SXS CMT		
8 3/4"	7" 20#	3399'	415 SXS CMT		
6 1/2"	4 1/2" 11.6#	7493'	200 SXS CMT		
(Tubing)	2 3/8"	7390'			

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date 12/20/2002	38 Test Length 12 hrs	39 Tbg. Pressure	40 Csg. Pressure 65 #
41 Choke Size 3/4"	42 Oil Trace	43 Water 0 BBLS	44 Gas 381 MCF	45 AOP	46 Test Method F

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Mary Corley

Title: Senior Regulatory Analyst

Date: 01/02/2003

Phone: 281-366-4491

5-27-03 OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 23

Approval Date: MAY 27 2003

48 If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

District I
PO Box 1980, Hobbs, NM 88241-
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM
District IV
2040 South Pacheco, Santa Fe, NM

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address BP America Production Company P.O. Box 3092 Attention: Mary Corley Houston, TX 77253		2 OGRID Number 000778
3 Reason for Filing Code New Completion		
4 API Number 30-045-31171	5 Pool Name Blanco Mesaverde	6 Pool Code 72319
7 Property Code 000589	8 Property Name Gartner A	9 Well Number 5M

II. 10 Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	27	30N	08W		1940'	South	1150'	West	San Juan

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	30N	08W		2500'	South	1940'	West	San Juan

12 Les Code F (Federal)	13 Producing Method Code F	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
----------------------------	-------------------------------	------------------------	------------------------	-------------------------	--------------------------

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
151618	EL PASO FIELD SERVICES BOX 4490 FARMINGTON, NM 87499	2834809	G	
9018	GIANT REFINING CO P.O. BOX 12999 SCOTTSDALE, AZ 85267	2834808	O	

IV. Produced Water

23 POD 2834810	24 POD ULSTR Location and Description
-------------------	---------------------------------------

V. Well Completion Data

25 Spud Date 11/29/2002	26 Ready Date 12/31/2002	27 TD 7496'	28 PSTD 7493'	29 Perforations 4654' - 5377'	30 DMC, DC, MC DHC - 952AZ
31 Hole Size 13 1/2"	32 Casing & Tubing Size 9 5/8" 32.3#	33 Depth Set 219'	34 Sack Cement 195 SXS CMT		
8 3/4"	7" 20#	3399'	415 SXS CMT		
6 1/4"	4 1/2" 11.6#	7493'	200 SXS CMT		
(Tubing)	2 3/8"	7390'			

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date 12/28/2002	38 Test Length 12 hrs	39 Tbg. Pressure	40 Csg. Pressure 80 #
41 Choke Size 3/4"	42 Oil Trace	43 Water 4 BBLS	44 Gas 323 MCF	45 AOF	46 Test Method F

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Title:

Date: 01/02/2003

Phone: 281-366-4491

Approved by:

Title:

Approval Date:

5-27-03 OIL CONSERVATION DIVISION

Charlie H. Perry
DEPUTY OIL & GAS INSPECTOR, DIST. 3

MAY 27 2003

48 If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

District I:
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31171	² Pool Code 71599; 72319	³ Pool Name BASIN DAKOTA ? BLANCO MESAVERDE
⁴ Property Code 00589	⁵ Property Name GARTNER A	⁶ Well Number 5M
⁷ OGRID No. 000778	⁸ Operator Name BP AMERICA PRODUCTION COMPANY	⁹ Elevation 6142

¹⁰ Surface Location

UL or Lot No. L	Section 27	Township 30 N	Range 8 W	Lot Ida	Feet from the 1945	North/South line SOUTH	Feet from the 1150	East/West line WEST	County SAN JUAN
--------------------	---------------	------------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. K	Section 27	Township 30 N	Range 8 W	Lot Ida	Feet from the 2500	North/South line SOUTH	Feet from the 1980	East/West line WEST	County SAN JUAN
¹² Dedicated Acres 320	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

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Mary Corley</i> Signature Mary Corley Printed Name Sr. Regulatory Analyst Title 08.15.2002 Date
	¹⁸ 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. July 19, 2002 Date of Survey Signature and Seal of Professional Surveyor 7016 Certificate Number

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.***SUBMIT IN TRIPLICATE - Other Instructions on reverse side.**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Serial No. NMSF080597
2. Name of Operator BP AMERICA PRODUCTION CO	6. If Indian, Allottee or Tribe Name
3a. Address P. O. BOX 3092 HOUSTON, TX 77253	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0760	8. Well Name and No. Multiple-See Attached 30-045-26961
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple-See Attached	9. API Well No. Multiple-See Attached 30-045-31171
	10. Field and Pool, or Exploratory Multiple-See Attached
	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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Surface Commingling
	☐ Convert to Injection	☐ Plug Back	☐ 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 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 request permission to surface commingle production the Basin Dakota and Blanco Mesaverde Pools from our Gartner A Wells No. 5M and 5R. Surface commingling Basin Dakota production will consist of the Gartner A No. 5M; and Blanco Mesaverde production will be from the Gartner A 5M and Gartner A 5R. The production from each well will be metered prior to commingling (please note: production from well no. 5M is being commingled downhole with production allocated to each Pool based on a fixed percentage) then the commingled production will flow into through the separator where the liquids will be removed. The commingled gas will then be sent through compression prior to entering the sales meter. Please reference the attached schematics reflecting the Current Facilities Layout and the Proposed Surface Commingling Layout provided for your reference.

The working interest, royalty and overriding royalty interest owners in the subject wells are

PC 1102

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #24711 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by JIM LOVATO on 11/28/2003 (04JXL0196SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 11/03/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title <i>Petr. Eng.</i>	Date 12/3/03
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 <i>BLM-APD</i>

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 ****

NMOC

Additional data for EC transaction #24711 that would not fit on the form

PC-1102

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMSF080587	NMSF080587	GARTNER A 5R	30-045-26961-00-S1	Sec 27 T30N R8W NWSW 1620FSL 1005FWL 36.78017 N Lat, 107.66802 W Lon
NMSF080587	NMSF080587	GARTNER A 5M	30-045-31171-00-C1	Sec 27 T30N R8W SWSW Lot L 1940FSL 1150FWL 36.46900 N Lat, 107.40100 W Lon

10. Field and Pool, continued

BLANCO MESAVERDE 2 Basin Dakota

32. Additional remarks, continued

identical. The proposed commingling of production is to reduce operating expenses between the wells and will result in increased economic life of the wells.

The NMOCD has also been notified of this proposal by copy of NMOCD Form C-103.

Submit 3 Copies To Appropriate District
Office

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

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

WELL API NO.

30-045-31171 (5M) & 30-045-26961 (5R)

5. Indicate Type of Lease

STATE FEE

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Gartner A

(Federal Lease NM F-080597 BLM Notified on
Form 3160-5)

8. Well No.

Nos. 5M & 5R

9. Pool name or Wildcat

Basin Dakota & Blanco Mesaverde

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: Mary Corley

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

4. Well Location

Unit Letter L (see C-102) feet from the South line and _____ feet from the West line

Section 270 Township 30N Range 08W NMPM San Juan County

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

6142' & 6144' GR

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: Surface 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 recompilation.

BP America Production Company request permission to surface commingle production the Basin Dakota and Blanco Mesaverde Pools from our Gartner A Wells No. 5M and 5R. Surface commingling Basin Dakota production will consist of the Gartner A No. 5M; and Blanco Mesaverde production will be from the Gartner A No. 5M and Gartner A 5R. The production from each well will be metered prior to commingling (please note: production from well no. 5M is being commingled downhole with production allocated to each Pool based on a fixed percentage) then the commingled production will flow into through the separator where the liquids will be removed. The commingled gas will then be sent through compression prior to entering the sales meter. Please reference the attached schematics reflecting the Current Facilities Layout and the Proposed Surface Commingling Layout provided for your reference.

The working interest, royalty and overriding royalty interest owners in the subject wells are identical. The proposed commingling of production is to reduce operating expenses between the wells and will result in increased economic life of the wells.

BLM has also been notified of this proposal by copy of BLM Form 3160-5.

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

SIGNATURE _____ TITLE Sr. Regulatory Analyst DATE 10/23/2003

Type or print name Mary Corley

Telephone No. 281-366-4491

(This space for State use)

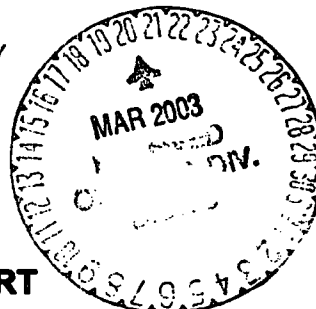
APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

Schlumberger

6501 S. Fiddler's Green Circle, Suite 400
Greenwood Village, CO 80111
(303) 486-3200

Surface: 1945/S 1150/W
BHL 1948/S 2037/W



30-045-31171

**SUB-SURFACE
SURVEY CERTIFICATION REPORT**

<u>BP America Inc.</u> Company	<u>March 4, 2003</u> Date
<u>Lease</u>	<u>Gartner A 5M</u> Well Name
	<u>San Juan Co., NM</u> County/State
Survey Depths	<u>0</u> to <u>250</u> ft
Type of Survey	<u>Inclination Survey</u>
Survey Depths	<u>271</u> to <u>3369</u> ft
Type of Survey	<u>Measurements While Drilling (MWD)</u>
Survey Depths	<u>3400</u> to <u>7450</u> ft
Type of Survey	<u>Inclination Survey</u>
Site Supervisor	<u>Greg Johnson</u>

The data submitted in this report conforms to the standards and procedures as set forth by Schlumberger. This report represents a true and correct directional wellbore survey based on original survey data obtained at the well site.

A. Allen Starkey
A. Allen Starkey
Account Manager

This document has been subscribed and affirmed, or sworn before me in the county of Arapahoe in the state of Colorado, this 7th day of March, 2003.

Christine J. Nelson My commission expires: 12.12.05

Survey Report - Geodetic

Report Date: 04-Mar-2003	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: BP, San Juan Performance Unit	Vertical Section Azimuth: 90.000°
Field: NM, San Juan County (NAD 83 WZ)	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / State: BP 27 30N 8W (Garther A 5M) / Garther A 5M	TVD Reference Datum: RKB
Well: Garther A 5M	TVD Reference Elevation: 6155.000 ft relative to MSL
Borehole: Original Hole	Sea Bed / Ground Level Elevation: 6144.000 ft relative to MSL
UNWAPR:	Magnetic Declination: +10.859°
Survey Name / Date: Garther A 5M Final Surveys / March 4, 2003	Total Field Strength: 51521.558 nT
Tort / AHD / DDI / ERD ratio: 60.098° / 887.79 ft / 4.734 / 0.12C	Magnetic Dip: 63.705°
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date: March 04, 2003
Location Lat/Long: N 36 46 53.988, W 107 40 6.002	Magnetic Declination Model: BGM 2002
Location Grid NE Yd: N 2103887.638 ftUS, E 2771410.436 ftUS	North Reference: True North
Grid Convergence Angle: -0.09879679°	Total Corr Mag North -> True North: +10.859°
Grid Scale Factor: 0.99991934	Local Coordinates Referenced To: Well Head

Station ID	Grid Coordinates							Geographic Coordinates				
	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N-S (ft)	E-W (ft)	DLS (°/1000)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2103887.64	2771410.44	N 36 46 53.999	W 107 40 6.005
Begin SLB Inclination Surveys	100.00	0.20	60.19	100.00	0.15	0.09	0.15	0.20	2103887.73	2771410.59	N 36 46 54.000	W 107 40 6.004
	200.00	0.45	60.19	200.00	0.64	0.37	0.64	0.25	2103888.01	2771411.08	N 36 46 54.002	W 107 40 5.998
	250.00	0.77	60.19	250.00	1.10	0.63	1.10	0.65	2103888.27	2771411.54	N 36 46 54.005	W 107 40 5.982
Last SLB Inclination Survey	271.00	1.59	60.19	270.99	1.48	0.85	1.48	3.90	2103888.49	2771411.91	N 36 46 54.007	W 107 40 5.987
	302.00	1.87	60.18	301.98	2.35	1.15	2.35	2.13	2103888.79	2771412.79	N 36 46 54.010	W 107 40 5.977
	333.00	2.02	72.05	332.98	3.37	1.40	3.37	1.01	2103889.05	2771413.80	N 36 46 54.013	W 107 40 5.984
Begin SLB MWD Surveys	364.00	2.44	72.10	363.94	4.52	1.77	4.52	1.35	2103889.42	2771414.95	N 36 46 54.016	W 107 40 5.960
	396.00	3.10	73.18	395.90	5.99	2.23	5.99	2.07	2103889.88	2771416.43	N 36 46 54.021	W 107 40 5.932
	427.00	3.36	76.57	426.85	7.68	2.69	7.68	1.04	2103890.34	2771418.11	N 36 46 54.025	W 107 40 5.911
	459.00	3.97	76.74	458.78	9.68	3.12	9.68	1.95	2103890.78	2771420.11	N 36 46 54.030	W 107 40 5.887
	490.00	4.58	81.25	489.70	11.95	3.52	11.95	2.06	2103891.18	2771422.38	N 36 46 54.034	W 107 40 5.859
	522.00	5.16	85.57	521.58	14.65	3.82	14.65	2.14	2103891.49	2771425.08	N 36 46 54.037	W 107 40 5.825
	554.00	6.01	87.28	553.43	17.76	4.02	17.76	2.71	2103891.68	2771428.19	N 36 46 54.038	W 107 40 5.787
	585.00	6.39	88.13	584.25	21.11	4.15	21.11	1.26	2103891.82	2771431.53	N 36 46 54.040	W 107 40 5.746
	616.00	7.07	86.89	615.03	24.73	4.31	24.73	2.24	2103891.99	2771435.16	N 36 46 54.041	W 107 40 5.701
	648.00	7.52	89.70	646.77	28.79	4.43	28.79	1.79	2103892.11	2771439.22	N 36 46 54.043	W 107 40 5.652
	679.00	8.29	91.94	677.48	33.06	4.36	33.06	2.67	2103892.06	2771443.48	N 36 46 54.042	W 107 40 5.599

711.00	9.29	89.25	709.10	37.95	4.32	37.95	3.38	2103892.02	2771448.37	N 36 46 54.041	W 107 40 5.539
743.00	10.05	90.25	740.65	43.32	4.34	43.32	2.43	2103892.05	2771453.74	N 36 46 54.042	W 107 40 5.473
773.00	10.78	91.11	770.15	48.74	4.27	48.74	2.49	2103891.99	2771458.17	N 36 46 54.041	W 107 40 5.408
805.00	11.51	90.90	801.55	54.93	4.16	54.93	2.28	2103891.90	2771485.35	N 36 46 54.040	W 107 40 5.330
838.00	11.81	91.61	831.91	61.19	4.03	61.19	1.07	2103891.77	2771471.61	N 36 46 54.039	W 107 40 5.253
869.00	12.10	90.28	863.22	67.82	3.92	67.82	1.25	2103891.67	2771478.24	N 36 46 54.038	W 107 40 5.172
899.00	12.48	89.67	893.51	74.42	3.92	74.42	1.30	2103891.69	2771484.84	N 36 46 54.038	W 107 40 5.091
931.00	12.94	90.11	924.72	81.46	3.93	81.46	1.47	2103891.71	2771491.88	N 36 46 54.038	W 107 40 5.004
963.00	13.36	90.34	955.88	88.74	3.91	88.74	1.32	2103891.70	2771499.16	N 36 46 54.037	W 107 40 4.915
992.00	14.09	88.73	984.05	95.62	3.90	95.62	2.57	2103891.71	2771506.04	N 36 46 54.037	W 107 40 4.830
1024.00	14.53	90.67	1015.08	103.53	3.87	103.53	1.55	2103891.69	2771513.95	N 36 46 54.037	W 107 40 4.733
1055.00	14.70	92.03	1045.08	111.35	3.89	111.35	1.24	2103891.52	2771521.77	N 36 46 54.035	W 107 40 4.637
1087.00	15.22	90.54	1075.97	119.60	3.51	119.60	2.02	2103891.35	2771530.02	N 36 46 54.033	W 107 40 4.535
1119.00	15.59	92.21	1106.82	128.10	3.30	128.10	1.81	2103891.16	2771538.52	N 36 46 54.031	W 107 40 4.431
1150.00	16.09	92.50	1136.65	136.56	2.95	136.56	1.63	2103890.83	2771546.97	N 36 46 54.028	W 107 40 4.327
1182.00	16.48	92.50	1167.37	145.51	2.56	145.51	1.16	2103890.45	2771555.93	N 36 46 54.024	W 107 40 4.217
1248.00	16.86	92.30	1228.68	163.85	1.79	163.85	0.63	2103899.71	2771574.27	N 36 46 54.017	W 107 40 3.991
1309.00	17.33	91.75	1288.90	182.35	1.14	182.35	0.79	2103899.09	2771582.77	N 36 46 54.010	W 107 40 3.764
1372.00	16.89	93.68	1349.11	200.87	0.27	200.87	1.14	2103898.25	2771611.28	N 36 46 54.001	W 107 40 3.536
1435.00	16.78	90.76	1409.41	219.09	-0.44	219.09	1.35	2103897.57	2771629.51	N 36 46 53.994	W 107 40 3.312
1498.00	16.91	90.73	1489.71	237.35	-0.68	237.35	0.21	2103897.37	2771647.76	N 36 46 53.992	W 107 40 3.098
1593.00	16.51	89.82	1560.69	264.66	-0.81	264.66	0.50	2103897.28	2771675.08	N 36 46 53.991	W 107 40 2.752
1687.00	17.38	87.86	1650.61	292.05	-0.25	292.05	1.11	2103897.90	2771702.46	N 36 46 53.988	W 107 40 2.416
1782.00	16.43	89.00	1741.51	319.66	0.52	319.66	1.06	2103898.71	2771730.07	N 36 46 54.004	W 107 40 2.076
1877.00	16.94	88.48	1832.53	348.85	1.12	348.85	0.46	2103899.35	2771757.25	N 36 46 54.010	W 107 40 1.742
1971.00	17.06	88.98	1922.45	374.23	2.21	374.23	0.52	2103890.49	2771784.63	N 36 46 54.021	W 107 40 1.405
2067.00	16.68	86.54	2014.32	402.04	3.78	402.04	0.42	2103892.11	2771812.44	N 36 46 54.036	W 107 40 1.063
2160.00	17.66	86.93	2103.17	428.45	5.34	428.45	1.08	2103893.72	2771839.84	N 36 46 54.052	W 107 40 0.726
2223.00	17.67	87.99	2163.20	448.55	6.19	448.55	0.51	2103894.60	2771856.94	N 36 46 54.060	W 107 40 0.492
2286.00	16.76	90.24	2223.38	467.19	6.48	467.19	1.79	2103894.93	2771877.58	N 36 46 54.063	W 107 40 0.263
2381.00	16.20	89.80	2314.47	494.14	6.45	494.14	0.60	2103894.94	2771904.52	N 36 46 54.063	W 107 39 59.931
2474.00	16.54	86.83	2403.71	520.33	7.20	520.33	1.00	2103895.74	2771930.71	N 36 46 54.070	W 107 39 59.609
2569.00	16.48	88.17	2494.79	547.30	8.38	547.30	0.41	2103898.96	2771957.68	N 36 46 54.082	W 107 39 59.278
2664.00	16.57	94.72	2585.87	574.26	10.06	574.26	1.04	2103898.69	2771984.63	N 36 46 54.098	W 107 39 58.946
2725.00	15.50	87.49	2644.49	591.06	11.22	591.06	2.16	2103899.87	2772001.43	N 36 46 54.110	W 107 39 58.740
2788.00	14.92	88.31	2705.29	607.58	11.82	607.58	0.98	2103900.51	2772017.95	N 36 46 54.116	W 107 39 58.537
2851.00	14.58	90.98	2788.21	623.62	11.93	623.62	1.21	2103900.64	2772033.98	N 36 46 54.117	W 107 39 58.340

2914.00	14.71	90.01	2827.16	639.54	11.79	639.54	0.44	2103890.53	2772049.91	N 36 46 54.115	W 107 39 58.144
2977.00	15.03	92.10	2898.06	655.71	11.49	655.71	0.99	2103900.26	2772068.07	N 36 46 54.112	W 107 39 57.945
3040.00	15.20	92.34	2948.88	672.12	10.85	672.12	0.29	2103899.65	2772082.48	N 36 46 54.106	W 107 39 57.744
3135.00	16.08	90.90	3040.36	697.72	10.16	697.72	1.02	2103899.00	2772108.08	N 36 46 54.099	W 107 39 57.429
3198.00	15.91	90.54	3100.92	715.08	9.96	715.08	0.29	2103898.83	2772125.44	N 36 46 54.097	W 107 39 57.215
3282.00	15.97	91.34	3162.48	732.65	9.67	732.65	0.36	2103898.57	2772143.01	N 36 46 54.094	W 107 39 56.999
3325.00	16.10	92.16	3223.01	750.05	9.14	750.05	0.41	2103898.07	2772160.40	N 36 46 54.089	W 107 39 56.798
3369.00	15.81	92.55	3265.31	762.13	8.64	762.13	0.70	2103897.59	2772172.49	N 36 46 54.084	W 107 39 56.637
3400.00	15.44	92.55	3295.17	770.47	8.27	770.47	1.19	2103897.24	2772180.83	N 36 46 54.080	W 107 39 56.535
3450.00	14.36	92.55	3343.48	783.32	7.70	783.32	2.15	2103896.69	2772193.67	N 36 46 54.075	W 107 39 56.377
3500.00	11.81	92.55	3392.18	794.63	7.19	794.63	5.10	2103896.20	2772204.98	N 36 46 54.070	W 107 39 56.238
3550.00	9.29	92.55	3441.33	803.78	6.79	803.78	5.04	2103895.81	2772214.13	N 36 46 54.066	W 107 39 56.125
3600.00	7.29	92.55	3490.81	810.98	6.47	810.98	4.00	2103895.50	2772221.34	N 36 46 54.063	W 107 39 56.037
3650.00	5.51	92.55	3540.49	816.55	6.22	816.55	3.57	2103895.26	2772228.90	N 36 46 54.060	W 107 39 55.968
3700.00	4.31	92.55	3590.31	820.82	6.03	820.82	2.39	2103895.08	2772231.18	N 36 46 54.058	W 107 39 55.916
3750.00	3.73	92.55	3640.19	824.32	5.87	824.32	1.16	2103894.93	2772234.68	N 36 46 54.057	W 107 39 55.873
3800.00	2.82	92.55	3690.10	827.18	5.74	827.18	1.83	2103894.81	2772237.53	N 36 46 54.055	W 107 39 55.838
3850.00	2.02	92.55	3740.08	829.28	5.65	829.28	1.59	2103894.72	2772239.64	N 36 46 54.055	W 107 39 55.812
3900.00	1.32	92.55	3790.04	830.74	5.59	830.74	1.40	2103894.66	2772241.10	N 36 46 54.054	W 107 39 55.794
3950.00	0.94	92.55	3840.03	831.73	5.54	831.73	0.75	2103894.61	2772242.08	N 36 46 54.053	W 107 39 55.782
4000.00	0.43	92.55	3890.02	832.32	5.52	832.32	1.03	2103894.59	2772242.68	N 36 46 54.053	W 107 39 55.774
4050.00	0.45	92.55	3940.02	832.70	5.50	832.70	0.04	2103894.57	2772243.08	N 36 46 54.053	W 107 39 55.770
4100.00	0.29	92.55	3990.02	833.02	5.48	833.02	0.32	2103894.56	2772243.38	N 36 46 54.053	W 107 39 55.768
4150.00	0.43	92.55	4040.02	833.34	5.47	833.34	0.28	2103894.54	2772243.69	N 36 46 54.053	W 107 39 55.762
4200.00	0.32	92.55	4090.02	833.66	5.46	833.66	0.22	2103894.53	2772244.02	N 36 46 54.053	W 107 39 55.758
4250.00	0.46	92.55	4140.02	834.00	5.44	834.00	0.28	2103894.52	2772244.36	N 36 46 54.052	W 107 39 55.754
4300.00	0.32	92.55	4190.02	834.34	5.43	834.34	0.28	2103894.50	2772244.69	N 36 46 54.052	W 107 39 55.750
4350.00	0.43	92.55	4240.02	834.66	5.41	834.66	0.22	2103894.49	2772245.02	N 36 46 54.052	W 107 39 55.746
4400.00	0.36	92.55	4290.01	835.02	5.40	835.02	0.09	2103894.47	2772245.37	N 36 46 54.052	W 107 39 55.741
4450.00	0.38	92.55	4340.01	835.35	5.38	835.35	0.00	2103894.46	2772245.71	N 36 46 54.052	W 107 39 55.737
4500.00	0.46	92.55	4390.01	835.72	5.36	835.72	0.15	2103894.44	2772246.07	N 36 46 54.052	W 107 39 55.733
4550.00	0.21	92.55	4440.01	836.01	5.35	836.01	0.50	2103894.43	2772246.37	N 36 46 54.052	W 107 39 55.729
4600.00	0.42	92.55	4490.01	836.28	5.34	836.28	0.41	2103894.42	2772246.64	N 36 46 54.051	W 107 39 55.726
4650.00	0.57	92.55	4540.01	836.71	5.32	836.71	0.30	2103894.40	2772247.07	N 36 46 54.051	W 107 39 55.720
4700.00	0.55	92.55	4590.01	837.20	5.30	837.20	0.04	2103894.38	2772247.55	N 36 46 54.051	W 107 39 55.714
4750.00	0.62	92.55	4640.00	837.70	5.28	837.70	0.15	2103894.36	2772248.06	N 36 46 54.051	W 107 39 55.708
4800.00	1.01	92.55	4690.00	838.41	5.24	838.41	0.77	2103894.33	2772248.77	N 36 46 54.051	W 107 39 55.698
4850.00	1.01	92.55	4739.99	839.29	5.20	839.29	0.00	2103894.29	2772249.65	N 36 46 54.050	W 107 39 55.689

Last SLB MWD Survey
Begin SLB Inclination Surveys

4900.00	1.08	92.55	4789.98	840.20	5.16	840.20	0.15	2103894.25	2772250.56	N 36 46 54.050	W 107 39 55.677
4950.00	1.21	92.55	4839.97	841.20	5.12	841.20	0.26	2103894.21	2772251.56	N 36 46 54.049	W 107 39 55.665
5000.00	1.38	92.55	4889.96	842.34	5.07	842.34	0.34	2103894.16	2772252.69	N 36 46 54.049	W 107 39 55.851
5050.00	1.31	92.55	4939.94	843.51	5.02	843.51	0.15	2103894.11	2772253.87	N 36 46 54.048	W 107 39 55.837
5100.00	1.31	92.55	4989.93	844.66	4.97	844.66	0.00	2103894.06	2772255.01	N 36 46 54.048	W 107 39 55.823
5150.00	1.33	92.55	5039.92	845.80	4.92	845.80	0.04	2103894.01	2772256.16	N 36 46 54.047	W 107 39 55.809
5200.00	1.09	92.55	5089.91	846.86	4.87	846.86	0.47	2103893.97	2772257.22	N 36 46 54.047	W 107 39 55.596
5250.00	1.13	92.55	5139.90	847.83	4.82	847.83	0.06	2103893.92	2772258.18	N 36 46 54.046	W 107 39 55.584
5300.00	1.24	92.55	5189.89	848.86	4.78	848.86	0.24	2103893.88	2772259.22	N 36 46 54.046	W 107 39 55.571
5350.00	1.19	92.55	5239.88	849.92	4.73	849.92	0.11	2103893.83	2772260.28	N 36 46 54.045	W 107 39 55.558
5400.00	1.24	92.55	5289.88	850.98	4.68	850.98	0.11	2103893.79	2772261.34	N 36 46 54.045	W 107 39 55.545
5450.00	1.44	92.55	5339.85	852.15	4.63	852.15	0.39	2103893.74	2772262.51	N 36 46 54.044	W 107 39 55.531
5500.00	1.36	92.55	5389.84	853.37	4.58	853.37	0.15	2103893.69	2772263.73	N 36 46 54.044	W 107 39 55.516
5550.00	1.44	92.55	5439.82	854.59	4.52	854.59	0.15	2103893.63	2772264.95	N 36 46 54.043	W 107 39 55.501
5600.00	1.56	92.55	5489.80	855.90	4.47	855.90	0.24	2103893.58	2772266.26	N 36 46 54.043	W 107 39 55.484
5650.00	1.65	92.55	5539.78	857.30	4.40	857.30	0.19	2103893.52	2772267.66	N 36 46 54.042	W 107 39 55.467
5700.00	1.64	92.55	5589.76	858.74	4.34	858.74	0.02	2103893.46	2772268.09	N 36 46 54.042	W 107 39 55.450
5750.00	1.98	92.55	5639.74	860.31	4.27	860.31	0.67	2103893.39	2772270.67	N 36 46 54.041	W 107 39 55.430
5800.00	1.96	92.55	5689.71	862.04	4.19	862.04	0.00	2103893.32	2772272.39	N 36 46 54.040	W 107 39 55.409
5850.00	1.79	92.55	5739.68	863.68	4.12	863.68	0.37	2103893.25	2772274.03	N 36 46 54.039	W 107 39 55.389
5900.00	1.54	92.55	5789.66	865.13	4.05	865.13	0.52	2103893.18	2772275.49	N 36 46 54.039	W 107 39 55.371
5950.00	1.62	92.55	5839.64	866.50	3.99	866.50	0.17	2103893.12	2772276.86	N 36 46 54.038	W 107 39 55.354
6000.00	1.50	92.55	5889.62	867.87	3.93	867.87	0.24	2103893.07	2772278.22	N 36 46 54.038	W 107 39 55.337
6050.00	1.56	92.55	5939.61	869.20	3.87	869.20	0.11	2103893.01	2772279.56	N 36 46 54.037	W 107 39 55.321
6100.00	1.95	92.55	5989.58	870.73	3.80	870.73	0.80	2103892.94	2772281.09	N 36 46 54.036	W 107 39 55.302
6150.00	2.21	92.55	6039.55	872.55	3.72	872.55	0.52	2103892.87	2772282.80	N 36 46 54.035	W 107 39 55.280
6200.00	2.23	92.55	6089.51	874.49	3.64	874.49	0.04	2103892.78	2772284.84	N 36 46 54.035	W 107 39 55.256
6250.00	1.64	92.55	6139.48	876.26	3.56	876.26	0.80	2103892.71	2772286.62	N 36 46 54.034	W 107 39 55.234
6300.00	1.54	92.55	6189.46	877.73	3.49	877.73	0.60	2103892.64	2772288.09	N 36 46 54.033	W 107 39 55.216
6350.00	1.14	92.55	6239.44	878.89	3.44	878.89	0.80	2103892.59	2772289.25	N 36 46 54.033	W 107 39 55.202
6400.00	0.93	92.55	6289.44	879.80	3.40	879.80	0.41	2103892.56	2772290.15	N 36 46 54.032	W 107 39 55.191
6450.00	0.73	92.55	6339.43	880.52	3.37	880.52	0.41	2103892.52	2772290.88	N 36 46 54.032	W 107 39 55.182
6500.00	0.66	92.55	6389.43	881.14	3.34	881.14	0.09	2103892.50	2772291.49	N 36 46 54.032	W 107 39 55.174
6550.00	0.41	92.55	6439.42	881.61	3.32	881.61	0.56	2103892.48	2772291.97	N 36 46 54.031	W 107 39 55.168
6600.00	0.42	92.55	6489.42	881.97	3.30	881.97	0.02	2103892.46	2772292.32	N 36 46 54.031	W 107 39 55.164
6650.00	0.35	92.55	6539.42	882.30	3.29	882.30	0.13	2103892.45	2772292.66	N 36 46 54.031	W 107 39 55.160
6700.00	0.25	92.55	6589.42	882.57	3.28	882.57	0.19	2103892.44	2772292.92	N 36 46 54.031	W 107 39 55.157

6750.00	0.25	92.55	6639.42	882.79	3.27	882.79	0.00	2103892.43	2772283.14	N 36 48 54.031	W 107 39 55.154
6800.00	0.25	92.55	6689.42	883.01	3.26	883.01	0.00	2103892.42	2772283.37	N 36 48 54.031	W 107 39 55.151
6850.00	0.25	92.55	6739.42	883.23	3.25	883.23	0.00	2103892.41	2772283.59	N 36 48 54.031	W 107 39 55.148
6900.00	0.28	92.55	6789.42	883.46	3.24	883.46	0.04	2103892.40	2772283.82	N 36 48 54.031	W 107 39 55.146
6950.00	0.19	92.55	6839.42	883.67	3.23	883.67	0.17	2103892.39	2772284.02	N 36 48 54.031	W 107 39 55.143
7000.00	0.35	92.55	6889.42	883.90	3.22	883.90	0.32	2103892.38	2772284.26	N 36 48 54.030	W 107 39 55.140
7050.00	0.59	92.55	6939.42	884.31	3.20	884.31	0.47	2103892.36	2772284.87	N 36 48 54.030	W 107 39 55.135
7100.00	0.29	92.55	6989.42	884.69	3.18	884.69	0.60	2103892.35	2772285.05	N 36 48 54.030	W 107 39 55.131
7150.00	0.32	92.55	7039.41	884.96	3.17	884.96	0.08	2103892.33	2772285.31	N 36 48 54.030	W 107 39 55.127
7200.00	0.35	92.55	7089.41	885.25	3.16	885.25	0.08	2103892.32	2772285.61	N 36 48 54.030	W 107 39 55.124
7250.00	0.20	92.55	7139.41	885.49	3.15	885.49	0.30	2103892.31	2772285.85	N 36 48 54.030	W 107 39 55.121
7300.00	0.11	92.55	7189.41	885.63	3.14	885.63	0.17	2103892.31	2772285.98	N 36 48 54.030	W 107 39 55.119
7350.00	0.32	92.55	7239.41	885.82	3.13	885.82	0.41	2103892.30	2772286.17	N 36 48 54.030	W 107 39 55.117
7400.00	0.21	92.55	7289.41	886.05	3.12	886.05	0.22	2103892.29	2772286.40	N 36 48 54.030	W 107 39 55.114
7450.00	0.37	92.55	7339.41	886.30	3.11	886.30	0.32	2103892.28	2772286.66	N 36 48 54.029	W 107 39 55.111
7498.00	0.37	92.55	7385.41	886.60	3.10	886.60	0.01	2103892.28	2772286.96	N 36 48 54.029	W 107 39 55.107

Last SLB Inclination Survey

Projection to TD

Survey Error Model: Topographic 3-D 95.00% Confidence 2.7665 sigma

Surveying Programme:

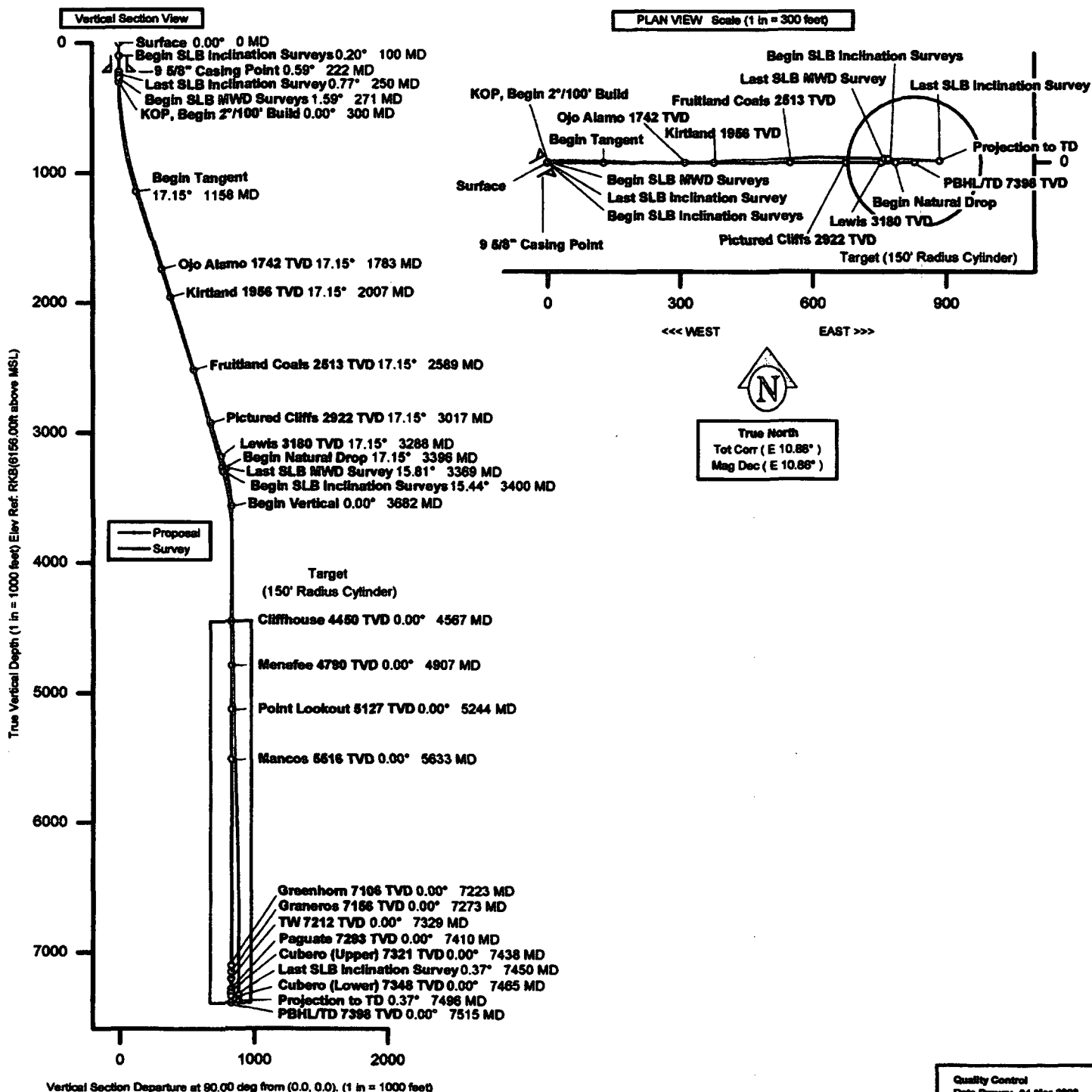
MD From (ft)	MD To (ft)	EOU Flag	Survey Tool Type
0.00	100.00	Act-Slts Blind Drilling	
100.00	271.00	Act-Slts Inclination Only	
271.00	3369.00	Act-Slts MWD1	
3369.00	7450.00	Act-Slts Inclination Only	
7450.00	7498.00	Act-Slts Blind Drilling	



BP America Inc.



WELL	FIELD	REG
Gartner A 5M	San Juan County, New Mexico	Aztec 184
Magnetic Parameters Model: BGGM 2002 Dip: 63.708° Mag Dec: 10.859° Date: March 04, 2003 FS: 51521.6 nT	Surface Location Lat: N38 46 54.000 Lon: W107 40 6.000 North: 2103887.64 ftUS East: 2771410.44 ftUS Grid Conv: 0.0888° Scale Fact: 0.9999	Plan#: Rev0 jok 28-Jul-02 Slot: Gartner A 5M Elev Ref: RKB(6156.00ft above MSL) Date Drawn: 04:02:25PM 04-Mar-2003



Quality Control
Date Drawn: 04-Mar-2003
Drawn by: James Winberg
Checked by: John O'Keefe
Client OK: