Form 3160-5 (August 1999)

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.

### N.M. Oil Cons. DIV-Dist. 2

LES BABYAK

BUR SUNDRY N Do not use this	UNITED STATES 1301 ARTMENT OF THE INTERIOR REAU OF LAND MANGEMENT OTICES AND REPORTS ON WELLS form for proposals to drill or to re-enter an Use Form 3160-3 (APD) for such proposals.	7d Av  - 882	FORM APPROVED OMB No. 1004-0135 Expires November 30, 2000  Lease Serial No. NM NM 0074936  6. If Indian, Allottee or tribe Name			
SUBMIT IN TRIPLIC	CATE – Other instructions on revers	se side	7. If Unit or CA/Agreement, Name and/or No.			
1. Type of Well Oil Well	Gas Well Other RECE!	ΛĒŪ	8. Well Name and No. GOLDFISH 17 FEDERAL #1			
2. Name of Operator	DEC _ 7	2005	9. API Well No.			
BP AMERICA PRODUCTION C	VOUTATI	TESIA	30-015-34376			
3a. Address PO BOX 3092 HOUSTON, TX 7	3b. Phone No. (include area code) 281-366- 1842		10. Field and Pool, or Exploratory Area Wildcat Atoka & Undesignated Loco Hills (Morrow)			
4. Location of Well (Footage, Se 2055' FNL & 1015' FEL; SEC 17	c., T., R., M., or Survey Description) 7 T17S R30E SENE		11. County or Parish, State EDDY, NM			
12. CHEC	CK APPROPRIATE BOX(ES) TO INDICATE NAT	URE OR NO	FICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF	ACTION			
Notice of Intent	Acidize Deepen Alter Casing Fracture Treat	☐ Re	oduction (Start/Resume) Water shut-Off calcalamation Well Integrity			
Subsequent Report	Casing Repair New Construction	n Re	ecomplete Other Downhole Commingle			
Final Abandonment Notice	Change Plans Plug and Abando Convert to Injection Plug Back	on <b>Li</b> \	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 recomplete 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.  The original APD was approved on 09/15/05. The Sundry Notice to change this well to a directional well was approved on 10/04/05. BP America respectfully requests approval BLM review and approval to downhole commingle the Wildcat Atoka & Undesignated Loco Hills (Morrow) per the attached procedure and wellbore schematic. On 11/29/05, William Jones (NMOCD) granted verbal approval of this request & assigned DHC 3598 to these sands.  The working, royalty and overriding royalty interests are identical in the proposed commingled zones; therefore, no additional notification is required.  Allocation percentages are estimated based on reserve calculations prepared for both the Morrow & Atoka formations. (see attachments). Commingling production downhole in the subject well from the proposed pools will no reduce the value of the total remaining production.						
14. I hereby certify that the foregoing			APPROVED			
Name (Printed/typed) Susan B. Becnel	.   Tit	  e Regulatory	Consultant			

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 witin its jurisdiction.

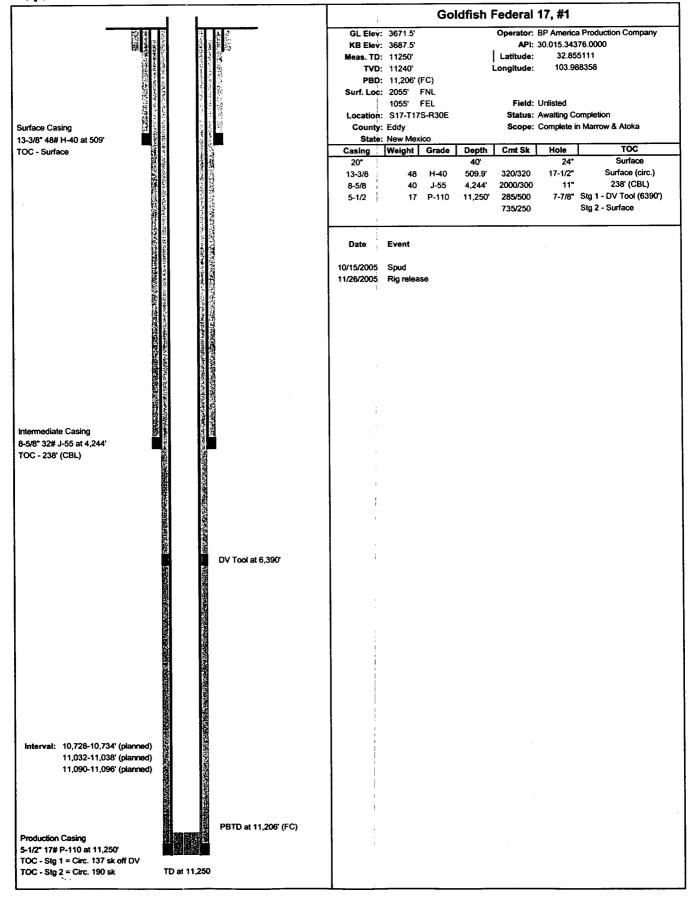
Title

Office

SUBJECT TOTHIS SPACE FOR FEDERAL OR STATE OFFICE USE

Date 011/30/2005





DISTRICT : 1 1625 M. French Dr., Hobbs, FIM 86240

## State of New Mexico Energy, Minerals & N. tural Resources Department

Form C-102 Revised August 15, 2000 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rie Brazoe Rd., Artec, NK 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

AMENDED REPORT

DISTRICT IV 2040 South Pachece, Santa Fe, NY 87505

### WELL LOCATION AND ACREAGE DEDICATION PLAT

		WE	LL LOCA	VIION A	ND ACREAG	E DEDICATIO	N PLAT	<u>-</u>		
	30-015-34376 Pool Code Undesignated Loco						Pool Name LOCO Hills (	o Hills (Morekow)		
Property C	ode		GOLDFISH FED. 17					Well Number		
OGRID No	),	Operator Name					Elevation			
778	· <del></del>	L	BP	AMERIC	CA PRODUCT	ION COMPANY		367	<u>'</u>	
					Surface Loca	ation				
JL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Н	17	17 S	30 E		2055	NORTH	1015	EAST	EDDY	
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UL or lot No.     L	Section	Township 175	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line EAST	EDDY	
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		25051	VED	1 -	3673.2'	3672.3'		story A	<u>55t.</u>	
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		DEC _ 7		1	( = 668,034;3   3673.1°	J 3673.9'	Date			
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							Date Survey Signature 4	•	LVA	
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1625 N. Prench Dr., Hobbs, FM 88240

#### State of New Mexico Energy, Minerals & Notural Resources Department

Form C-102 Revised August 16, 2000 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

P.O. Drawer DD, Artesia, NM 68211-0719

DISTRICT III 1000 Bio Brasos Rd., Antec, NN 87410

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 RISTRICT IV 2040 South Pacheco, Santa Fo, NK 67505

☐ AMENDED REPORT

### WELL LOCATION AND ACREACE DEDICATION DIAT

		W)	ELL LUCA	TION A	IND ACREAC	SE DEDICATIO	N PLAT		
30 - 015	Number - 3U 3	71	Pe	ool Code	Code Pool Name Wildcat AtoKA				
Property (		9	<u></u>	Property Name Well Number					ber
			GOLDFISH FED. 17					1	
OGRID N	0.		RP	AMERIC	Operator Nam PRODUCT	ION COMPANY		Elevatio 3671	
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UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	17	17 S	30 E		2055	NORTH	1015	EAST	EDDY
			Bottom	Hole Lo	cation If Diff	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
+	17	175	30E		1980'	NORTH	1015'	EAST	EDDY
Dedicated Acre	s Joint	r infill	Consolidation (	ode O:	rder No.				<del></del>
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		N	JN-STANDA	RD UNIT	HAS BEEN A	PPROVED BY TH	E DIVISION		
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#### Goldfish 17 Federal #1

Allocation percentages were estimated based on reserve calculations done for both the Morrow and Atoka Formations. Two potential sand pay zones were defined in the Morrow, totaling 5.5' with an average of 5% porosity and a water saturation of 42%. Both of these sands are tight based on the wireline logs but reservoir characteristics may improve away from the wellbore. The Atoka sand calculates out as a higher porosity zone, but with slightly higher water saturations (52% over a 2.5' pay interval with 6.4% porosity.

Because of the poorer quality reservoir encountered in the well, we would like to open both the Morrow and Atoka together to attempt an economic completion. Reserve calculations were done based on 320 acreage drainage for both horizons and the numbers may be skewed high based on that assumption.

Morrow recoverable reserves are estimated at 0.189 BCF and Atoka recoverable reserves are estimated at 0.394 BCF.

Prepared by:

Michael Follis

Geologist, BP America

SENM, Morrow

# Gold Fish 17 Federal #1

GASVOL			(C) Copyrig	ght 1990,199
RECOVERABLE GAS RE	SERVES PROGRA	M	by Douglas	M Boone
WELL NAME:	Goldfish		All Rights	Reserved
FIELD NAME:	Atoka		Version 3.0	MC
GAS GRAVITY	0.60			
% N2	0.00	8		22-Nov-05
% CO2	0.00	&	Tc =	359.26
% H2S	0.00	8	Pc =	670.98
CONDENSATE (YES=1)	1	,	Tc' =	359.26
RES. TEMPERATURE	150	F	Pc' =	670.98
INITIAL PRESSURE	3,500	Psia	Tr =	1.701
ABANDONMENT PRES	800	Psia	Pri =	5.216
NET PAY	3	Feet	Pra =	1.192
ACRES	320	Acres	Zi =	0.8939
WATER SAT	52.00	%	Za =	0.9278
POROSITY	6.40	8		
GAS IN PLACE	243,490	Mcf		
RECOVERABLE GAS	189,867	Mcf	MCF/AC-FT	237.33
RECOVERY	77.98%			

# GOLDASH 17 Federal #1

GASVOL			(C) Copyri	ght 1990,199
RECOVERABLE GAS RESER	RVES PROGRA	ΔM	by Douglas	M Boone
WELL NAME: Go	ldfish		All Rights	Reserved
FIELD NAME: Mo	rrow		Version 3.	OM
GAS GRAVITY	0.60			
% N2	0.00	8		22-Nov-05
% CO2	0.00	8	Tc =	359.26
% H2S	0.00	%	Pc =	670.98
CONDENSATE (YES=1)	1		Tc' =	359.26
RES. TEMPERATURE	150	F	Pc' =	670.98
INITIAL PRESSURE	3,500	Psia	Tr =	1,701
ABANDONMENT PRES	. 800	Psia	Pri =	5.216
NET PAY	6	Feet	Pra =	1.192
ACRES	320	Acres	Zi =	0.8939
WATER SAT	42.00	8	Za =	0.9278
POROSITY	5.00	8		
GAS IN PLACE	505,686			
RECOVERABLE GAS	394,321	Mcf	MCF/AC-FT	224.05
RECOVERY	77.98%			

# Goldfish Federal 17, # 1 30.015.34376.0000

### Completion Procedure Summary for Downhole Commingle

- MIRU service unit.
- PU 2.375" tubing and 4.75" bit. TIH and drill out DV tool. Drill out to FC.
- Circulate hole clean. Pickle tubing and casing with 700 gal. 15% HCl.
- Spot 1000 gal. MOD 101 from 11,000' up. TOH.
- Perforate lower Morrow sand 11,090-11,096', @ 2 jspf.
- Breakdown with 10 bbl KCl water.
- Perforate upper Morrow sand 11,032-11,038' and Atoka sand 10,728-10,734' @ 2 jspf.
- Establish breakdown rate of 5 bpm with 20 bbl KCl water.
- Frac Morrow and Atoka sand down casing @ 50 bpm with 40,000 lb. 30/50 ceramic proppant.
- RDMO frac equipment. Flow back frac.
- Check for proppant fill with sand line. Clean out if required with CT.
- Set production packer with stop  $\pm$  50' above top perforation.
- Test packer.
- RIH with production tubing and circulate packer fluid.
- Sting into packer and retrieve plug.
- · Swab and flow.
- Turn over to production. Downhole commingle Morrow & Atoka production

### District I 1625 N. French Drive, Hobbs, NM 88240

District II

E-MAIL ADDRESS \_\_\_\_\_becns | @bp.com\_

District III
1000 Rio Brazon Rond, Aztec, NM 87410

### State of New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION TYPE X Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE

Form C-107A

Revised June 10, 2003

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	APPLICATION FOR DO	EXISTING WELLBORE _X_ YesNo				
BP AMERICA PRODUCTION COMPA	NY 501 WEST	HOUSTON, TEXAS 77079				
Operator GOLDFISH 17 FEDERAL		Address H Sec 17-T17S-R30E				
Lease	ase Well No. Unit Letter-Section-Township-Range					
OGRID No778_ Property Co	de API No30-0	15-34376 Lease Type: _X	_FederalStateFee			
DATA ELEMENT	UPPER ZONE	LOWER ZONE				
Pool Name	Wildcat Atoka	Undesignated Loco Hills (Morrow)				
Pool Code						
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10,728` – 10,734'		11,032` - 11,094`			
Method of Production (Flowing or Artificial Lift)	Flowing	RECEIVED	Flowing			
Bottomhole Pressure		DEC _ 7 2005				
(Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)		OCU-AH LESIA				
Oil Gravity or Gas BTU (Degree API or Gas BTU)	N/A		N/A			
Producing, Shut-In or New Zone	New Zone		New Zone			
Date and Oil/Gas/Water Rates of						
Last Production. (Note: For new zones with no production history,	Date:	Date:	Date:			
applicant shall be required to attach production estimates and supporting data.)	Rates:	Rates:				
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or	Oil Gas 5 % 95 %	Oil Gas	Oil Gas			
explanation will be required.)	3 76 93 76	% %	5 % 95 %			
	ADDITIO	NAL DATA				
Are all working, royalty and overriding If not, have all working, royalty and over			YesXNo YesNo			
Are all produced fluids from all commi	ngled zones compatible with each o	other?	Yes X No			
Will commingling decrease the value of	f production?		YesNoX			
If this well is on, or communitized with or the United States Bureau of Land Ma			YesX_ No			
NMOCD Reference Case No. applicable	e to this well:		<del></del>			
Attachments:  C-102 for each zone to be comming Production curve for each zone for For zones with no production histor Data to support allocation method of Notification list of working, royalty Any additional statements, data or of the committee of the committe	at least one year. (If not available, ry, estimated production rates and so or formula.  and overriding royalty interests for	attach explanation.) supporting data. r uncommon interest cases.				
	PRE-APPRO	OVED POOLS				
If application is	to establish Pre-Approved Pools, th	ne following additional information wi	ill be required:			
List of other orders approving downhol List of all operators within the proposed Proof that all operators within the proposed Bottomhole pressure data.	l Pre-Approved Pools					
I hereby certify that the information	above is true and complete to t	the best of my knowledge and beli	ef.			
SIGNATURE SUSANB	Blenel TITLE	Regulatory ConsultantD	ATE11/22/05			
TYPE OR PRINT NAME Susa		TELEPHONE NO. ( 281				