Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

5. Lease Serial No.
NMSF078902

6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO

7. If Unit or CA/Agreement, Name and/or No.
892000844F

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

8. Well Name and No.
GALLEGOS CANYON UNIT 147E

2. Name of Operator
BP AMERICA PRODUCTION CO
Contact: TOYA COLVIN
E-Mail: Toya.Colvin@bp.com

9. API Well No.
30-045-26283-00-S1

3a. Address
200 ENERGY COURT
FARMINGTON, NM 87401

3b. Phone No. (include area code)
Ph: 281-366-7148

10. Field and Pool, or Exploratory
BASIN DAKOTA

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 4 T27N R12W NESW 1850FSL 1700FWL
36.601990 N Lat, 108.119660 W Lon

11. County or Parish, and State
SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ 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	
	☐ 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 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.)

BP America Production Company requests permission to recomplete into the Basin Mancos by setting a CIBP over the Basin Dakota, establishing a steady production rate in the Basin Mancos, then remove the CIBP & downhole commingle production with the existing Basin Dakota.

RCVD MAY 7 '13
OIL CONS. DIV.
DIST. 3

The DK(71599) & Basin Mancos (97232) pools are pre-approved for DHC per NMOCD Case No. 12520; Order No. R-11567 effective 04/26/2001. Although the interest owners are not identical between these two pools, this same order established approval for subsequent applications for DHC of production in wellbores within the GCU without notice to the unit interest owners. Therefore, no additional notification is required prior to DHC approval.

Production is proposed to be allocated based on the subtraction method using the DK projected future decline. That production will serve as a base for production subtracted from the total

DHC 3895 AZ

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

Electronic Submission #205941 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by STEVE MASON on 05/03/2013 (13SXM1508SE)

Name *(Printed/Typed)* TOYA COLVIN — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 05/02/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON — Title PETROLEUM ENGINEER — Date 05/03/2013

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.

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

NMOCD PV

FIELD:	San Juan		
WELL:	GCU 147E		
COUNTY:	San Juan, New Mexico		
API No.:	30-045-26283		
RKB ELEVATION:	5,744	SEC:	4
GL ELEVATION:	5,731	TOWN:	27N
RKB-GL:	13	RANGE:	12W

1. MIRU
2. ND wellhead/NU BOPE
3. Test BOPE
4. Pull Production tubing
5. Run bit and scraper, run mill if necessary
6. Set CIBP/Cement Retainer @ 5890' (~30' above top Dakota Perforation)
    a. Dakota Perfs @ 5920'-6030'
7. MIT casing
    a. If frac down casing: minimum 3500 psi MIT
    b. If using Frac string: minimum 2000 psi MIT
    c. Minimum pressure to be 500 psi per NMOCD rule 19.15.25.14
8. Repair integrity issues as necessary
9. Run CBL log, verify 500' of cement above planned top perf.
10. Spot 20' sand on top of CIBP (2, 100# sacks)
11. Shoot perfs
    a. Planned perfs: 5308'-5320'
12. Run frac string if necessary
13. ND BOPE
14. NU Frac stack
15. RDMO
16. Frac Mancos using 70Q N2 foam and 100K#s of sand
17. MIRU
18. RIH with mill and mill up all plugs to ~5890'
19. Run production tubing and land @ ~5340'
20. Run Pump and rods
21. Produce Mancos until production can be determined, after a steady production rate is obtained, we will go back and mill up the CIBP set @ 5890' and co-mingle with the Dakota

Current WBD:

GCU 147E

Current Wellbore bp

COMMENTS

9-5/8" Casing TOC: Surface
Cmt w/ 283 sx CIB

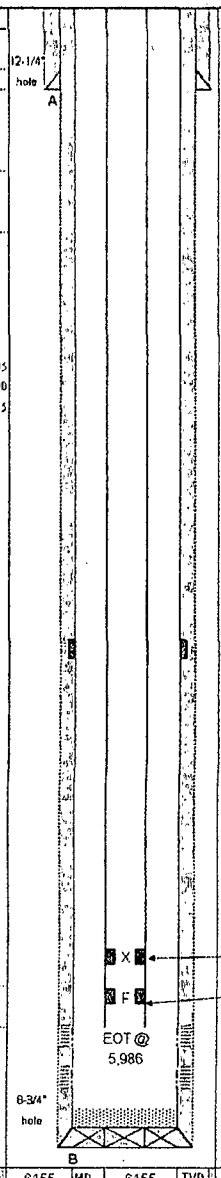
7" Casing TOC: Circ. Cmt
Stage 1: Pump 584 sx B;
Stage 2: Pump 513 sx B;

Formation Tops
Well Not Logged Above the Gallup

Gallup	4,945
Greenhorn	5,790
Dakota	5,915

DV Tool @ 2984'

DAKOTA Perforations
Frac'd with "90,000 gal foam" and 155,000# 20-40 sand.
5920' - 5930'
5976' - 6030'



EQUIPMENT DESCRIPTION

X-nipple @ 5980', ID: 1.875"
F-nipple @ 5983', ID: 1.780

Plug Back Total Depth:	6155	MD	6155	TVD
Total Depth:	6200	MD	6200	TVD

FIELD	San Juan			
WELL	GCU 147E			
COUNTY	San Juan, New Mexico			
API No.	30-045-26283			
RKB ELEVATION	5,744	SEC:	4	
GL ELEVATION	5,731	TOWN:	27N	
RKB-GL	13	RANGE:	12W	
Lat: 36.60204		Long: -108.1202		

DIRECTIONAL DATA

MAX ANGLE	1.250	THRU	TD
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL

	TUBING	CASING
SIZE	2 3/8 "	7 "
WEIGHT	4.7ppf	23ppf
GRADE	J-55	K-55
DEPTH	5,986'	6,200'
THREAD	8R EUE	ST+C
I.D.	1.995"	6.366"
DRIFT	1.901"	6.241"
BURST	7700 PSI	4790 PSI
COLLAPSE	8100 PSI	4010 PSI
CAPACITY	0.00387 bbl/ft	0.03937 bbl/ft
# JOINTS	199	

PRODUCTION ASSEMBLY DETAIL (BOTTOMS UP)

#	O. D. IN	I. D. IN	LENGTH FT	Description
1	2.375	1.995	2.00	Mule Shoe
2	3.125	1.780	1.00	F-nipple
3	2.375	1.995	4.00	Pup Joint
4	3.125	1.875	1.00	X-nipple
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL

#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	9 5/8	36	N-80	ST+C	342
B	7	23	K-55	ST+C	6,200
C					
D					
E					
F					
G					

PRESSURE DATA

BOTTOM HOLE PRESSURE	600 PSI
From Production data	
BOTTOM HOLE TEMPERATURE	162°F

Prepared by: David Wages — Date: 30-Apr-2013

Spud: 4/1985 **Completed:** 4/16/1985 **Last Workover:**

Proposed Final WBD:

GCU 147E

Contingency Wellbore

COMMENTS	EQUIPMENT DESCRIPTION
8-5/8" Casing TOC: Surface Cmt w/ 203 sx CI B	12-1/4" hole A
7" Casing TOC: Circ. Cmt **Stage 1**: Pump 584 sx B; **Stage 2**: Pump 513 sx B;	
Formation Tops Well Not Logged Above the Gallup Gallup 4,945 Greenhorn 5,790 Dakota 5,915	
	2-3/8" 4.7# J-55 tubing
DV Tool @ 2984'	
	Single Magnum Disk
Proposed Gallup Perforations 5308'- 5320'	1.780" ID F-nipple
	~16' Mule shoe EOT @~5340'
	~20' sand
DAKOTA Perforations Frac'd with "90,000 gal foam" and 155,000# 20-40 sand. 5920'- 5930' 5976'- 6030'	CIBP @ 5890'
8-3/4" hole B	

Plug Back Total Depth:	6155	MD	6155	TVD
Total Depth:	6200	MD	6200	TVD

FIELD	San Juan				
WELL	GCU 147E				
COUNTY	San Juan, New Mexico				
API No	30-045-26283				
RKB ELEVATION	5,744			SEC:	4
GL ELEVATION	5,731			TOWN:	27N
RKB-GL	13			RANGE:	12W
Lat: 36.60204			Long: -108.1202		

DIRECTIONAL DATA

MAX ANGLE	1.250	THRU	TD
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL

	TUBING	CASING
SIZE	2 3/8 "	7 "
WEIGHT	4.7#/10"	23ppf
GRADE	J-55	K-55
DEPTH	5340 "	6,200'
THREAD	EUE	ST+C
I.D.	1.995"	6.366"
DRIFT	1.901"	6.241"
BURST	7700 "	4790 PSI
COLLAPSE	8100 "	4010 PSI
CAPACITY	0.00387 bbl/ft	0.03937 bbl/ft
# JOINTS		

PRODUCTION ASSEMBLY DETAIL (BOTTOMS UP)

#	O. D. IN	I.D. IN	LENGTH FT	Description
1	2.375	1.995	16.00	Mule Shoe
2	3.125	1.780	1.00	F-nipple
3	3.25	2.000	1.00	Single Magnum Disk
4	2.375	1.995	surface	Production tubing
5				
6	Rods			
7	0.750		~5171	GLB AD 79
8	1.500		150.000	Sinker Bar
9	2.000	1.500	13.000	Pump
10				
11				
12				

CASING DETAIL

#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	9 5/8	36	N-80	ST+C	342
B	7	23	K-55	ST+C	6,200
C					
D					
E					
F					
G					

PRESSURE DATA

BOTTOM HOLE PRESSURE	1920 PSI
From Production data	
BOTTOM HOLE TEMPERATURE	162°F

Prepared by: David Wages — Date: 30-Apr-2013

Spud: 4/1985 **Completed:** 4/16/1985 **Last Workover:**

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised July 16, 2010
Submit one copy to appropriate District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-26283	71599 & 97232	Basin Dakota & Basin Mancos

4 Property Code	5 Property Name	6 Well Number
000570	Gallegos Canyon Unit	147E

7 OGRID No.	8 Operator Name	9 Elevation
000778	BP America Production Company	5731

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	4	27N	12W		1850	South	1700	West	San Juan

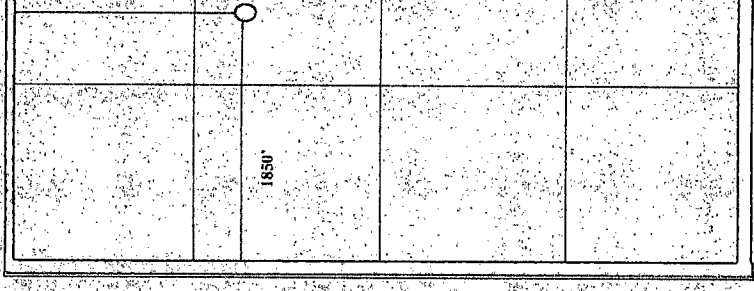
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			R-11567

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.

16



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 5/02/13

Toya Colvin
Printed Name

Toya.Colvin@bp.com
E-mail Address

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.

Date of Survey

Signature and Seal of Professional Surveyor:

Previously Filed

Certificate Number