

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: April 8th, 2014

Application Type:

☐ P&A ☐ Drilling/Casing Change ☒ Recomplete/DHC
☐ Location Change ☐ Other:

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-26194-00-00	GALLEGOS CANYON UNIT	137E	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	M	36	28	N	13	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Provide CBL to agencies prior to perforating

NMOCD Approved by Signature

4-15-14
Date

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.

5. Lease Serial No.
NMSF077967

6. If Indian, Allottee or Tribe Name:
EASTERN NAVAJO

7. If Unit or CA/Agreement, Name and/or No.
892000884F

8. Well Name and No.
GALLEGOS CANYON UNIT 137E

9. API Well No.
30-045-26194-00-S1

10. Field and Pool, or Exploratory
BASIN DAKOTA

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

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

3a. Address
200 ENERGY COURT
FARMINGTON, NM 87401
3b. Phone No. (include area code)
Ph: 281-366-7148

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 36 T28N R13W SWSW 1110FSL 0940FWL
36.614470 N Lat, 108.175710 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleate 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 recompleation 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 re-complete into the Basin Mancos by setting a CIBP over the Dakota, establishing a steady rate in the Mancos, then remove the CIBP & downhole commingling with the existing Basin Dakota.

The Basin Dakota (71599) & the Basin Mancos (97232) pools are pre-approved for DHC per NMOC 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 application for DHC of production in the 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 Basin Dakota future decline. That production will serve as a base for production subtracted from the total

RCVD APR 11 '14
OIL CONS. DIV.
DIST. 3

DHC 3878 AZ

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

Electronic Submission #241456 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 04/09/2014 (14SXM1661SE)

Name (Printed/Typed) TOYA COLVIN

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/08/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON

Title PETROLEUM ENGINEER

Date 04/09/2014

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 ****

NMOC DAV

Additional data for EC transaction #241456 that would not fit on the form

32. Additional remarks, continued

production from the commingled well. The balance of the production will be attributed to the Basin Mancos.

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

Please see attached DHC procedure, wellbore schematics & C-102 plat. NMOCD notified via C-103 form.



GCU 137E

30-045-26194

Unit letter M SEC. 36, T28N, R13W
San Juan, NM
Dakota Formation

The purpose of this procedure is to outline the completion of the Cha-Cha SW trend in the Gallup (Mancos) and commingling with the currently producing Dakota.

Basic Job Procedure:

1. Pull tubing
2. Set CIBP at $\pm 5,950'$
3. Pressure test CIBP and casing to verify integrity
4. Run CBL (segmented) from the CIBP to surface.
5. Dump $\pm 20'$ of sand on CIBP
6. MIT wellbore
7. Recomplete to the Gallup (Mancos) with the following proposed perforations: $\pm 5,405 - 5,420'$
8. Produce well for ± 6 months from Gallup only
9. Commingle well and cleanout/deepen PBSD to $\pm 5'$ above the 7" casing shoe to $\pm 6,225'$
10. Land tubing at $\pm 6,172'$ and return well to production

Current Wellbore Diagram

GCU 137E

Current Wellbore 

9.625" Csg TOC: Surface

Pumped 266 cu. ft. Class B

7" Csg TOC: Surface

First Stage: pumped 617 cu. ft. "B" 65:35
poz followed by 502 cu. ft. "B" 50:50 poz;
Second Stage: pumped 674 cu. ft. "B"
50:50 poz --- Circulated cement to
surface

Formation Tops

Ojo Alamo	514
Kirtland	559
Fruitland	999
Pictured Cliffs	1261
Mesaverde	2141
Gallup	4843
Dakota	5806

Deviation Survey

Depth	Deviation
908	1.5
1147	0.75
1633	1
1914	1
2424	1.25
2886	1
3368	2
3619	1.5
3958	1.75
4491	0.5
5044	0.75
5667	0.5
6000	0.75
6234	1

DV tool at 3,339'

DAKOTA Perfs

6002 - 6018, 6030 - 6090

2SPF, 152 shots - Frac w/ 160k# 20/40 &
100k gal 70Q Foam at 30 bpm at 850 psi

EOT @
6,097'

Possible Profile Nipple at 6047' (not in tally)

End of Prod Casing @ 6230

FIELD	San Juan South		
WELL	GCU 137E		
COUNTY	San Juan, New Mexico		
API No.	30-045-26194		
RKB ELEVATION	5,857	SEC	36
GL ELEVATION	5,845	TOWN	28N
RKB-GL	12	RANGE	13W
Lat: 36.61455		Long: -108.17635	

DIRECTIONAL DATA			
MAX ANGLE	1.750	THRU	3.958
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL	
TUBING	Prod Casing

SIZE	2 3/8	7"	
WEIGHT	4.7ppf	23ppf	20ppf
GRADE	J-55	K-55	J-55
DEPTH	6,097'	3850 - 6230	0 - 3850
THREAD	8R/EUE	LT+C	ST+C
I.D.	1.995"	6.366"	6.456"
DRIFT	1.901"	6.241"	6.331"
BURST	7700 PSI	4360 PSI	3740 PSI
COLLAPSE	8100 PSI	3270 PSI	2270 PSI
CAPACITY	0.0039 bbl/ft	#####	#####
# JOINTS			

PRODUCTION ASSEMBLY DETAIL

#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL

#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	8 5/8	24	J-55	ST+C	365
B	7"	20ppf	J-55	ST+C	0 - 3850
B		23ppf	K-55	LT+C	3850 - 6230
C					
D					
E					
F					

PRESSURE DATA

BOTTOM HOLE PRESSURE 608 PSI

Estimated

BOTTOM HOLE TEMPERATURE 150°F

Calculated

Prepared by: Stephen Davis Date: 7-Apr-2014

Plug Back Total Depth	6185	MD	6185	TVD
Total Depth	6230	MD	6230	TVD

Spud: 02/28/1985

Completed: 03/23/1985

Last Workover:

BP Confidential

Proposed Wellbore Diagram

GCU 137E

Current Wellbore 

9.625" Csg TOC: Surface
Pumped 266 cu. ft. Class B

7" Csg TOC: Surface
First Stage: pumped 617 cu. ft. "B" 65:35 poz followed by 502 cu. ft. "B" 50:50 poz;
Second Stage: pumped 674 cu. ft. "B" 50:50 poz --- Circulated cement to surface

Formation Tops	
Ojo Alamo	514
Kirtland	559
Fruitland	999
Pictured Cliffs	1261
Mesaverde	2141
Gallup	4843
Dakota	5806

GALLUP PERFS
5405 - 5420

DAKOTA Perfs
6002 - 6018, 6030 - 6090
2SPF, 152 shots - Frac w/ 160k# 20/40 &
100k gal 70Q Foam at 30 bpm at 850 psi

Deviation Survey	
Depth	Deviation
908	1.5
1147	0.75
1633	1
1914	1
2424	1.25
2886	1
3368	2
3619	1.5
3958	1.75
4491	0.5
5044	0.75
5667	0.5
6000	0.75
6234	1

DV tool at 3,339'

Component	Details	#
Polished rod	1.25 x 26'	1
Pony Rod	.75" x 4'	1
Pony Rod	.75" x 12'	1
Sucker Rods "D"	.75" x 25'	241
Sinker Bars	1.5" x 25'	4
RHAC Pump	2" x 1.25" x 14'	1

F-Nipple @ ± 6,140'

End of Prod Casing @ 6230

FIELD: San Juan South
WELL: GCU 137E
COUNTY: San Juan, New Mexico
API No.: 30-045-26194
RKB ELEVATION: 5,857 **SEC:** 36
GL ELEVATION: 5,845 **TOWN:** 28N
RKB-GL: 12 **RANGE:** 13W
Lat: 36.61455 Long: -108.17635

DIRECTIONAL DATA
MAX ANGLE: 1.750 **THRU:** 3,958
KOP: N/A **TYPE:** Vertical

PRODUCTION DETAIL
TUBING Prod Casing
SIZE: 2 3/8" 20ppf
WEIGHT: 4.7ppf 23ppf 20ppf
GRADE: J-55 K-55 J-55
DEPTH: 6,172' 3850 - 6230 0 - 3850
THREAD: 8RUE LT+C ST+C
I.D.: 1.995" 6.366" 6.456"
DRIFT: 1'901" 16'241" 6'331"
BURST: 7700 PSI 4360 PSI 3740 PSI
COLLAPSE: 8100 PSI 3270 PSI 2270 PSI
CAPACITY: 0.0039 bbl/ft #####
JOINTS:

PRODUCTION ASSEMBLY DETAIL				
#	O.D.	I.D.	LENGTH	Description
	IN	IN	FT	
1	2.375	1.780	1.00	F-Nipple
2	2.375	1.995	31.00	Mule Shoe w/weep hole
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL				
#	SIZE	WGHT	GRADE	THREAD DEPTH
A	8 5/8	24	J-55	ST+C 365
B	7"	20ppf	J-55	ST+C 0 - 3850
B		23ppf	K-55	LT+C 3850 - 6230
C				
D				
E				
F				

PRESSURE DATA
BOTTOM HOLE PRESSURE: 608 PSI
Estimated
BOTTOM HOLE TEMPERATURE: 151°F
Calculated
Prepared by: Stephen Davis Date: 7-Apr-2014

Plug Back Total Depth:	6225	MD	6225	TVD		Spud: 02/28/1985	Completed: 03/23/1985	Last Workover:
Total Depth:	6230	MD	6230	TVD				

BP Confidential

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 30-045-26194	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	⁶ Well Number 137E
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5843

¹⁰ Surface Location

U/L or lot no. M	Section 36	Township 28N	Range 13W	Lot Idn	Feet from the 1110	North/South line South	Feet from the 940	East/West line West	County San Juan
----------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	---------------------------

¹¹ Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line RCVD APR 11 '14	County
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-11567			OIL CONS. DIV. DIST. 3			

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 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature Date 4/08/14 Toya Colvin Printed Name Toya.Colvin@bp.com E-mail Address			
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number			

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 30-045-26194	² Pool Code 97232	³ Pool Name Basin Mancos
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	
		⁶ Well Number 137E
		⁹ Elevation 5843

¹⁰ Surface Location

U/I. or lot no. M	Section 36	Township 28N	Range 13W	Lot Idn	Feet from the 1110	North/South line South	Feet from the 940	East/West line West	County San Juan
-----------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	---------------------------

¹¹ Bottom Hole Location If Different From Surface

U/I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
									RCVD APR 11 '14
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No. R-11567		OIL CONS. DIV. DIST. 3			

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 	¹⁷ 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 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			
	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				