

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.

RECEIVED

MAY 27 2015

5. Lease Serial No.
1149IND8471

6. If Indian Allottee or Tribe Name
EASTERN NAVAJO

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

8. Well Name and No.
GALLEGOS CANYON UNIT 176

9. API Well No.
30-045-07228-00-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 25 T28N R13W NENW 0800FNL 2180FWL
36.638170 N Lat, 108.171560 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 checked="" 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 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 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.)

In April and May 2014 BP attempted to recomplete the subject well in the Mancos/Gallup formation. April 23, 2014 BP notified the NMOCD and BLM of holes found in casing and received verbal approval to perform squeeze job in the subject well. The approved procedure for the squeeze job is attached along with the unfinished workover activities for the subject well. Well was shut in for evaluation.

OIL CONS. DIV DIST. 3
MAY 18 2015

BP now requests to run a 3.5" flush joint casing inside the original 4.5" production casing and cement 3.5" to surface, then finish the recompletion of the well to the Mancos/Gallup formation and DHC. Please see the attached Casing procedure.

CA 892000884F
DHC 3858 AZ

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

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

Electronic Submission #299352 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by TROY SALYERS on 05/11/2015 (15TS0043SE)

Name (Printed/Typed) TOYA COLVIN Title REGULATORY ANALYST

Signature (Electronic Submission) Date 04/27/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TROY SALYERS Title PETROLEUM ENGINEER Date 05/11/2015

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

GCU 176

API # 30-045-07228

Location: C SEC. 25, T28NN, R13WW

San Juan County, New Mexico

Reason/Background for Job

The well is planning to hydraulically fracture the Basin Mancos sand, multiples holes in the casing were discovered in this well between 3300' to 3959'. After several attempts to squeeze the leaks the plan for the well is to run a 3.5" flush joint casing string inside the 4.5" original production casing and cement 3.5" to surface.

It is proposed to RIH with 3.5 P-100 casing and cement.

Basic job procedure

1. Unset the packer and POOH with 2-3/8" Tubing
2. RIH and set CIBP at +/- 6120' and dump 20' of sand of top of the plug
3. RIH with 3-1/2" Ultra FJ liner and Hydril 511 premium connection to 6050'
4. Pump down the 3-1/2" production liner and take returns up the 3-1/2" x 4-1/2" annulus
5. MIT wellbore
6. Recomplete to the Gallup (Mancos) with the following proposed perforations: +/-5696 - 5708'
7. Land tubing at +/-5,792' and produce well to obtain production data from lower Cha-Cha
8. Drill out CIBP and commingle Dakota and Gallup
9. Produce well

Current WBD



Ground Elevation 5983' RI
KB Measurement 5983'

GCU 176-DK
Dakota
API #30-045-0722800
Unit C - Sec 25 - T28N - R13W
San Juan County, NM

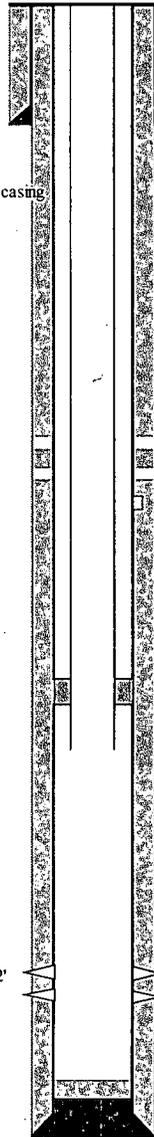
Well History

8/31/1964: Spud date
10/6/1964: Completion date
Well Servicing (6/16/08): Cleanout and Pressure test casing
DIMS shows "X-nipple @ 6307 instead of F
but don't think that is correct

Leaks @ 3300-3343 and
3830-3959

Formation Tops

Pictured Cliff	1675
Lewis	1795
Mesaverde	2540
Galup	5280
Graneros	6214
Dakota	6298



TOC: Circulated to surface

Surface Casing Data

12 1/4" hole
8 5/8" 24# Csg @ 362'
w/ 225 sxs, 2% CaCl

TOC: Unknown

DV Tool at 4506"

Tubing Details

2 3/8", 4.7#, J55 tubing

Length

Packer @ 5545'

Perforation Data

(6246-6261): Perforations only
(6313-6330): water/gel 2# FR-S/100 gal, 40,000-20/40, 10,000-10/20
Pbreakdown=1800, Preat= 3370. Avg inject = 46.9 bpm

Production Casing Data

7 7/8" hole
4 1/2" @ 6402'
Stage 1: 500 sx Class C
Stage 2: 1000 sx Class C

Deviation Survey	
Depth	Deviation
362	0.5
830	0.5
1000	0.5
1500	0.75
1835	1.25
2330	1.25
2575	1
3177	1.5
3750	1.5
4211	2
4500	0.75
4686	1
5220	1
6050	1

Proposed WBD



Ground Elevation 5983' RDB
KB Measurement 5983'

GCU 176-DK
Dakota
API #30-045-0722800
Unit C - Sec 25 - T28N - R13W
San Juan County, NM

Well History
8/31/1964: Spud date
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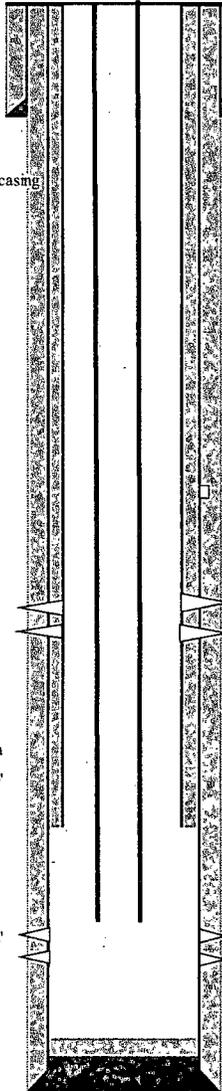
Formation Tops

Pictured Clif	1675
Lewis	1795
Mesaverde	2540
Gallup	5280
Graneros	6214
Dakota	6298

Production Liner Data
3 1/2" @ 6050'

Mancos
5696-5708'

End of Tubing at 6322'



PBTD 6369'
Total Depth 6402'

TOC: Circulated to surface

Surface Casing Data

12 1/4" hole
8 5/8" 24# Csg @ 362'
w/ 225 sxs, 2% CaCl

TOC: Unknown

DV Tool at 4506"

Tubing Details
2 1/16" J55 tubing

Length

20' sand
CIBP @ 6120'

Perforation Data

(6246-6261): Perforations only
(6313-6330): water/gel 2# FR-S/100 gal, 40,000-20/40, 10,000-10/20
Pbreakdown=1800, Ptreat= 3370. Avg inject = 46.9 bpm

Production Casing Data

7 7/8" hole
4 1/2" @ 6402'
Stage 1: 500 sx Class C
Stage 2: 1000 sx Class C

Deviation Survey	
Depth	Deviation
362	0.5
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4500	0.75
4686	1
5220	1
6050	1

Holes in casing @ 3300' and 3960'
Injection rate 0.50 bpm @ 1500 psi
Pressure drop 400 – 500 psi /min

Cement Properties (will be re-confirmed by Baker after the actual lab test):
Cement Type III, 0.3 bwoc FL-52A + 0.3% bwoc CD-32 + 58.8% Fresh Water
Slurry density 14.6 ppg
Yield 1.37 ft³/sack
Fluid loss: 300 cc/30 min
10 sec gel strength: 45 lb/100ft²
10 min gel strength: 105 lb/100 ft²
Thickening time at 70 bc: minimum 4.5 hrs

Procedure:

1. RIH w/ 2 3/8" tubing open & set cement retainer @ ± 3850'
2. Sting out cement retainer
3. MIRU cement service co
4. PT pump and lines to 250 psi low and 2500 psi high, chart test; Set kickout at 2100 psi.
5. Pump cement as follows
 - a. Pump 2 – 3 bbls fresh water spacer
 - b. Place 15 bbl of cement at end of tubing; Hold backpressure on casing return to prevent U-tubing
 - c. Sting back into cement retainer
 - d. Squeeze @ 0.3 – 0.5 bpm, while monitoring pressure; do not exceed 1700 psi; pump 7 – 8 bbls if possible
 - e. Shut down pump for 5 – 10 min and monitor pressure drop
 - f. If pressure drops more than 200 psi pressure back up to 1200 – 1500 psi and hold for 5 – 10 min
 - g. Repeat as needed while increasing the pressure, in increments, to maximum 2000 psi
 - h. After final squeeze pressure is reached, sting out of cement retainer and reverse min 1 tubing volume (15 bbls) or until clean returns
 - i. POH EOT @ ± 3400'
 - j. Place 10 bbl of cement on balance (10 bbl of cement will fill 630 ft of casing)
 - k. POH EOT @ ± 2500'
 - l. Reverse out minimum 1 tubing volume (± 10 bbls) or until clean returns
 - m. Shut in annulus
 - n. Squeeze @ 0.3 – 0.5 bpm, while monitoring pressure; do not exceed 1700 psi; pump 4 – 5 bbls if possible
 - o. Shut down pump and monitor pressure drop
 - p. Pressure up to 500 psi and hold for 5 minutes, if more than 100 psi is lost in 5 minutes, re-pressure up. Repeat 3 – 4 times
 - q. Pressure up to 1000 psi and hold for 5 min; re-pressure up if more than 100 psi is lost
 - r. Pressure up to 1500 psi and hold for 5 min; re-pressure up if more than 100 psi is lost
 - s. Pressure up to 1900 psi and hold for 5 min; re-pressure up if more than 100 psi is lost

Notes:

- It is unlikely that the entire cement volume will be squeezed in

- If it is apparent the entire volume of cement will be squeezed, wait a little longer before pressuring or re-pressuring up to allow for gel strength to build up

6. POH 3 – 4 joints
7. Shut in both tubing and casing
8. RDMO cement service co
9. WOC at least 6 – 8 hrs
10. MU cement drill out BHA (blade bit, bit sub, 6 x 3 1/8" dc, X-over to 2 3/8" tbg) and RIH to TOC
11. Drill out cement to approx. 3500'
12. Once through the cement plug, circulate the hole clean
13. Pressure test casing to 1900 psi. If test is OK continue drilling the cement retainer and cement below it
14. Once through the cement plug, circulate the hole clean and perform full casing MIT to a max pressure of 1900 psi

Recompletion Activities for the GCU 176 – April 2014- May 2014

April 2014

04/16/2014- MOVE RIG AND EQUIP TO LOCATION SPOT IN EQUIP R/U SERVICE UNIT N/D TREE N/U BOP FUNCTION TEST , DO ACCUMULATOR TEST P/T WCE-PASSED, SECURE WELL FOR THE NIGHT

04/17/2014- INSPECTIONS, BLOW WELL DOWN, POH W/ 2-3/8 PROD TBG, M/U 3-7/8 BIT & SCRAPER TO 6200', POH W / SCRAPER M/U CIBP AND PACKER, RIH SET CIBP @ 6200', P/U LOAD WELL W/WATER CIRC, SECURE WELL, SHUT DOWN

04/18/2014- INSPECTIONS , P/T CIBP 1900 PSI- GOOD TEST, CHANGE OUT PACKERS, POH W/TBG AND PACKER STANDING, SHUT DOWN SECURE WELL FOR THE WEEKEND

04/21/2014- INSPECTIONS, CHECK WELL FOR PRESSURE , RIH W/RBP SET @ 3830' POH W/TBG, M/U PACKER RIH, SHUT DOWN SECURE WELL FOR THE NIGHT.

04/22/2014- WEEKLY SAFETY MEETING, RIH START P/T-PASSED, POH W/ PACKER TO TEST CSG, M/U RETIEVING TOOL RIH POH W/RBP, R/U WEATHERFORD AND RUN A BOND LOG, SHUT DOWN SECURE WELL

04/23/2014- NOTIFY BRANDON POWELL @ NMOC AND STEPHEN MASON @ BLM OF HOLES IN CASING, RECEIVED APPROVAL FOR CEMENT SQUEEZE, INSPECTIONS, MIRU PRESS TEST-PASSED, M/U CMT RETAINER RIH SET @ 3850', R/U BAKER, P/T LINES P/T 250 LOW 2500 HIGH, GOOD TEST, PUMP 15 BBL G-CLASS YIELD 1.37 14.60PPG CEMENT, STING BACK INTO RETAINER, PUMP CEMENT FROM 3400'-2700' W/10 BBL YIELD 1.37 14.60PPG CEMENT, POH W/TBG SHUT DOWN SECURE WELL.

04/24/2014- WELL SHUT IN

04/25/2014- INSPECTIONS, CHECK WELL FOR PRESSURE BLOW WELL DOWN 400 PSI ON CSNG, PREP TO RIH W/DRILL COLLARS, RIH DRILL OUT CMT FROM 2906'-3051', CIRC WELL CLEAN FINISH DRLG CMT TOMORROW, SECURE WELL FOR THE NIGHT

04/26/2014- INSPECTIONS, RIH TAG CEMENT @ 3051', BREAK CIRC W/WATER DRLG CMT FROM 3051'-3260' CIRC WELL CLEAN LAY DOWN 2 JTS SHUT DOWN SECURE WELL

04/28/2014- INSPECTIONS, RIH TAG CEMENT @ 3260', BREAK CIRC W/WATER , DRLG CEMENT FROM 3260'-3347' AND 3347'-3400', RIH TO 3840' TAGGED 10' G-CLASS YIELD 1.37 14.60PPG CEMENT ON TOP OF CMT RETAINER , P/U GET AN INJECTION RATE ON CSNG, L/D 2 JTS, SECURE WELL AND LOCATION

04/29/2014- MONTHLY SAFETY MEETING, TRAVEL TO LOCATION, INSPECTIONS, RIH TAG CMT @ 3840', DRILLING CMT AND RTEAINER FROM 3840'-3843', CIRC WELL CLEAN RIH TO 3904' TO CHECK FOR CEMENT AND WELL WAS CLEAR , GET AN INJECTION RATE- @ 1200 PSI PUMPING 1/2 BPM @1250 PSI PUMPING .70 BPM @ 1300 PSI PUMPING 1.1BPM, POH W / TBG AND STAND BACK COLLARS PREP TO RIH W / RBP SET @ 3900', SECURE WELL FOR THE NIGHT.

04/30/2014- TOH WITH TBG AND SETTING TOOL. TOOL WAS SCARRED UP ON 2 SIDES, DUMP 3 5GALS BUCKETS OF SAND ON TOP OF RBP, TIH RUN TAPERED MILL, TOH, TIH WITH PKR, RELEASE PACKER AND TOH, SHUT DOWN

May 2014

05/01/2014- INSPECTIONS, RIH WASH SAND OVER RBP LATCH ON POH W / RBP, M/U PACKER RIH SET @ 3600', R/U HALLIBURTON PUMP FIRST SQUEEZE W/10BBL CAUGHT PRESSURE W/ 3 BBL OF CMT IN TBG; PRESSURED UP TO 1900 PSI PRESSURE DROPPED SLOW PUMPED 2.5 BBL BEHIND CSNG, ALL CEMENT G-CLASS YIELD 1.37 14.60PPG CEMENT, RELEASE PACKER , REVERSE CIRC W / 30BBL OF WATER, SET PACKER PRESSURE UP ON TBG SQUEEZE IN 2 MORE BBL G-CLASS YIELD 1.37 14.60PPG CEMENT @ 1500 PSI, POH W/TBG AND PACKER, RIH OPEN ENDED TO 3367', PUMP SECOND SQUEEZE W/10BBL FRESH WATER, 7 BBL OF G-CLASS YIELD 1.37 14.60PPG CEMENT DISPLACE WITH 11/BBL, POH REVERSE CIRC W/20BBL WATER, PRESSURE UP ON TBG AND SQUEEZE IN CMT PUMPED IN 1 BBL G-CLASS YIELD 1.37 14.60PPG CEMENT @1500 PSI SHUT WELL IN W/ 1500 PSI, SECURE LOCATION

05/02/2014- INSPECTIONS, BLOW WELL DOWN , POH W/ TBG , M/U BIT RIH W/ COLLARS AND TBG, TAG CMT @ 3036', BREAK CIRC W/WATER, START TO DRLG FROM 3036'-3260' CIRC WELL CLEAN, SHUT DOWN SECURE WELL.

05/05/2014- INSPECTIONS, RIH TAG CMT @ 3260', BREAK CIRC W/WATER, DRLG CMT FROM 3260'-3460', CIRCULATE WELL CLEAN, PRESSURE UP TO 1900 PSI PRESSURE DROP OFF FROM 1900 PSI TO 1300 PSI 5MIN, SECURE WELL DRAIN ALL EQUIPMENT.

05/07/2014- WEEKLY SAFETY MEETING, REVIEW JSEA W / CREW , POH W TBG , M/U HANGER , RIH LOCK INTO PLACE, P/T BOP-PASSED , PULL HANGER TO RIG FLOOR , RIH W / 2-3/8 TBG OPEN ENDED TO 3984' FOR SPOTTING CEMENT PUMP 10BBLS SPACER AND SQUEEZE 6.4BBLS G-CLASS YIELD 1.37 14.60PPG CEMENT, DISPLACE POH TO 3370' PUMP 10BBLS SPACER AND 6BBLS G-CLASS YIELD 1.37 14.60PPG CEMENT, DISPLACE POH TO 2800', REVERSE CIRC, POH SHUT WELL IN W / 1920 PSI, SECURE LOCATION

05/08/2014- WOC TO DRILL OUT , CLEAN RIG PIT AND CMT PIT

05/09/2014- INSPECTIONS, POH W/ TBG, M/U BIT, RIH TAG CMT @ 3174', R/U SWIVEL, BREAK CIRC, DRLG CMT FROM 3174'-3317', CIRC WELL L/D 2 JTS SECURE WELL FOR THE NIGHT

05/10/2014- INSPECTIONS, RIH TAG CMT @ 3317', BREAK CIRC DRLG CMT FROM 3317'-3400', BREAK THRU CIRC WELL CLEAN, RIH TOP OF SECOND PLUG TAGGED @ 3667', DRLG SECOND CMT PLUG FROM 3667'-3782', CIRC WELL CLEAN, SHUT DOWN SECURE WELL FOR WEEKEND.

05/12/2014- INSECTIONS, TAG CMT @ 3782', BREAK CIRC W/WATER AND DRLG CMT FROM 3782'-3900', P/T CSNG W PACKER SET AT 3314' TO 1300 PSI GOOD TEST, RELEASE PACKER SHUT DOWN SECURE WELL.

05/13/2014- INSPECTIONS, RIH W / CIBP SET AT 3400' AND POH W / TBG STANDING BACK, SHUT DOWN SECURE WELL.

05/14/2014- WEEKLY SAFETY MEETING, INSPECTIONS, RIH OPEN ENDED TO 3400' , R/U HALLIBURTON , ON TOP PUMP CMT AND SQUEEZE IN PUMP 10 BBL SPACER, 7 BBL OF G-CLASS YIELD 1.37 14.60PPG CMT DISPLACE W / 11.5BBL WATER, POH, R/D HALLIBURTON , WOC (WAIT ON CEMENT), SHUT DOWN SECURE LOCATION

05/15/2014- INSPECTIONS, POH W / TBG M/U BIT AND COLLARS, RIH TAG CMT @ 3075', BREAK CIRC W/ WATER START TO DRILL CMT FROM 3075'-3204', CIRC WELL CLEAN, SHUT DOWN SECURE WELL.

05/16/2014- INSPECTIONS, RIH TAG CMT @ 3204', BREAK CIRC DRILL CMT FROM 3204'-3390', DRLG UP CIBP, CIRC WELL CLEAN RIH 4 JTS, SHUT DOWN SECURE WELL

05/19/2014- INSPECTIONS, R/D POWER SWIVEL, POH L/D DRILL COLLARS , RIH W/ 2-3/8 TBG LAND TBG ,R/D FLOOR, ENGINEER CALLED W/NEW PLAN SET PACKER, POH W/ TBG STANDING BACK IN DERRICK, SHUT DOWN

05/20/2014- INSPECTIONS, M/U PACKER W / BAKER , RIH SET PACKER @ 5545' , N/D BOP N/U TREE P/T SEALS 200 PSI, P/T TBG AND PACKER-P/T 1200PSI GOOD TEST, R/D GROUND EQUIP, SHUT DOWN FOR EVALUATION OF WELL, SECURE WELL

05/21/2014- WEEKLY SAFETY MTG, INSPECTIONS, WELL SHUT IN FOR EVALUATION, FINISH RIGGING DOWN , MOVE RIG TO YARD RIG RELEASED