

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No NMSF078904
2. Name of Operator BP AMERICA PRODUCTION CO. Contact: CHERRY HLAVA E-Mail: hlavacl@bp.com		6. If Indian, Allottee or Tribe Name
3a. Address HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281-366-4081	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 26 T28N R12W SWSW 1190FSL 0990FWL 36.62923 N Lat, 108.08617 W Lon		8. Well Name and No. GCU 232
		9. API Well No 30-045-11630-00-S2
		10. Field and Pool, or Exploratory WEST KUTZ PICTURED CLIFFS
		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			
<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 checked="" 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 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.)

Bradenhead Repair

While performing a pump change on the above mentioned well it was noted BH pressure was 75 psi. NMOC D was notified and gave verbal approval to repair.

BP respectfully request permission to repair the Bradenhead per the attached BH repair procedure.

RCVD JAN 27 '10
OIL CONS. DIV.
DIST. 3

CASING TEST MUST MEET REQUIREMENTS OF NMOC D RULE 19.15.25.14

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #80400 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 01/25/2010 (10SXM0067SE)	
Name (Printed/Typed) CHERRY HLAVA	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 01/21/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON	Title PETROLEUM ENGINEER	Date 01/25/2010
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 D



BP - San Juan Wellwork Procedure

GCU 232

General Information:

Formation:	Kutz PC, West (gas)	Job Objective:	Bradenhead Repair
Project #:	To be provided	Date:	January 20, 2010
Engineer:	Nona Morgan	p. 281.366.6208	c. 713-890-2002
Production Contact:	Andy Prada	p. 505-326-9200	c. 505-793-7994
Optimizer:	Butch Stavelly	p. 505-326-9250	
Backup Engineer:			

Production Data:

API Number:	<u>30-045-11630</u>	Tubing Pressure:	<u>25 psi</u>
BP WI:	<u>51.8%</u>	Casing Pressure:	<u>25 psi</u>
Run #:	<u>24</u>	Line Pressure:	<u>150 psi</u>
Lease FLAC:	<u>290328</u>	Pre-rig Gas Rate:	<u>0 MCFD</u>
Well FLAC:	<u>98570402</u>	Anticipated Uplift:	<u>125 MCFD</u>
	<u>Unit M - Sec 26 - T28N</u>	Water Rate:	<u>N/A</u>
Surface Location:	<u>- R12W</u>	CO2 (%):	<u>0.883%</u>
Meter #	<u>75370</u>	H2S (PPM):	<u>none</u>
	<u>Lat. 36.62921 Long.</u>	Gas BTU:	<u>1194</u>
GPS Coordinates:	<u>108.08665</u>	Specific Gravity	<u>0.6863</u>
Cost Center:	<u>1000151134</u>	Artificial Lift Type:	<u>Beampump</u>
Compressed (Y/N):	<u>Y</u>		
Restrictions:	<u>N/A</u>		
Regulatory Agency:	<u>BLM & NMOCD</u>		

Budget and Work Order Information

Rig Budget:	<u></u>	Total AFE Amount:	<u></u>
P&C Budget:	<u></u>	Work Order #:	<u></u>
Swabbing Budget:	<u></u>		

Basic Job Procedure:

1. Test BOPs.
2. Clean out well to PBTD with bit and scraper
3. RIH w/ RBP and packer. Test Casing. Locate holes
4. Load well & Run CBL.
5. Shoot holes and perform squeeze. WOC
6. Pressure test casing.
7. If ok, drill out cement. Otherwise notify NMOCD, repeat squeeze steps. Retest & drill out.
8. Complete pump change procedures and restore production.

Safety and Operational Details:

****ALL work shall comply with DWOP E&P Defined Operating Practice****

- No history of Bradenhead issues found in DIMS
- No known restrictions or permits required
- Venting and Flaring documents should assumed BTU content is above 950

Previously defined operating guidelines and dispensations are still effective until further direction is provided by the Wells Team. These guidelines are provided in the documents below for requirements related to breaking connections and BOP equipment testing:

Normal Operating Procedures:

- **ADM 5102** Preliminary Well Work Checklist
- **INS 8908-00** Power Down Automation
- **NOP 7805-00** Procedure for Lockout / Tagout for GCU
- **NOP 7801-00** Operating Policy for Simultaneous Operations
- **NOP 7803-01** Procedure For At Risk Well Locations
- **NOP 7804-01** Wellbore Air Purge
- **NOP 7809-00** Spill Reduction Procedure for Wells Team
- **NOP 7811** Site Security for Well Operations
- **NOP 7812-01** Under Balanced Well Control Tripping
- **NOP 7813** San Juan Asset Rig Anchor Safety Plan
- **NOP 7814-02** Procedure for Flowback Operations
- **DWOP** Drilling and Well Operation Policy
- **Dispensations** SJPU and SJS DWOP Dispensations
- **Rig Schedule** SJS Workover / Completion Tentative Rig Schedule NOP-7803-01

Dispensations:

- Section 9.4.1 (Issue #5, May 2003) – Document #K5500000267; Stripping rubber to be used instead of Hydril / Annual Preventer.
- Section 24.2 (Issue #5, May 2003) – Document #K5500000261; No dual mechanical barriers in annulus during all well servicing.
Continuous monitoring of wellbore pressures is required during servicing.

Well History:

Spud date of 1965. 11/2007 Well Serv. – Cleanout fil; change out pump; 2004 Well Svc. – cleanout tag fill, 2003 Well Svc. – Holey tubing; 2002- pump change, 1998 - Recomplete to PC.

Completion Information

End of Tubing:	<u>1734'</u>	Tubing Size	<u>2-3/8"</u>
Liner Size and Top:	<u>N/A</u>	Casing size	<u>4.5"</u>
PBTD:	<u>1840'</u>		

Standard Site Preparations

1. Perform pre-rig site inspection. Per Applicable documents, check for: size of location, (2) gas taps, (3) other wells, (4) other operators, (5) production equipment, (6) wetlands, (7) wash (dikes requirements), (8) H2S, (9) barriers needed to protect equipment, (10) landowner issues, (11) location of pits (buried or lines in pits), (12) raptor nesting, (13) critical location, (14) check anchors, (15) ID wellhead, etc.
Allow 48 hours for One Call if earth pit is required.
2. Notify the following Inspectors 48 hours before working on the well;

Charlie Perrin 505-334-6178 ext.11 or Kelly Roberts 505-334-6178 ext. 16 (NMOCD)
Steve Mason 505-599-6364 (BLM)
3. Identify wellhead for proper flange connections and BOP equipment.
4. Work with GCU through CoW and w/P&S to develop a plan to move or temporarily relocate equipment that prohibits well servicing/plugging objectives.
5. Notify land owners with gas taps on well.
6. Perform second site visit after lines are marked to ensure all lines locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.
7. Properly lock out/tag out any remaining production equipment. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.

Initial Well Checks & Preparations:

8. Check gas H2S content and treat if the concentration is > or equal to 10 ppm/Treat for H2S, if necessary per H2S Wells NOTICE.
9. MIRU workover rig. Conduct lifting JHA and fill out permit for removing the Horse's head. Complete necessary paperwork and risk assessment.
10. Check and record tubing, casing and bradenhead pressures daily. **BLOWDOWN** BH pressure as required, especially if there is *evidence of communication between the production casing and bradenhead or the well has a history of bradenhead pressure problems*. Record pressure and notify engineer if BH pressure exceeds 50 psi or if there is any water or gas flow. Ensure production casing and bradenhead valves are double valved, if necessary. Follow guidelines as directed by DWOP. Double valve all casing strings as required. Check lock down pins on hanger.

11. Pressure test tree and hanger to 200 psi above SITP. Make up 3" flowback line, if necessary and blow down well. Kill with 2% KCL water or fresh water, as necessary. Check all casing strings to ensure no pressure exist on any annulus.

Completion Removal

(Note: Complete the following steps only if problem found with tubing or pump shoe) Otherwise move down to steps to reinstall rods and pump.

****ALL work shall comply with DWOP E&P Defined Operating Practice****

12. RU slickline and set mechanical barriers plugs/bpv in tubing and tubing hanger or install "G" packoff. Blowdown and kill tubing and casing strings. RD slickline.
13. Hold JHA and fill out permit for BOP critical lift. Test mechanical barriers on annulus side, if well head has raised neck hanger and bonnet test connection. ND wellhead and install TIW valve and lifting pup joint in hanger.

Note: *Ensure that TIW valve w/square key for opening and closing is on the floor to stab into the tubing if well "kicks".*
14. Reference "No Dual Barrier in Annulus During All Well Servicing" dispensation. (Reference new DWOP guidelines) NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank.
15. Pressure test BOPs to 250 psi on the low end and on the high range at 1500 psi.
16. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.
17. Install stripping rubber. Pull tubing hanger up to rubber and shut pipe rams. Bleed pressure above rams. Pull stripping rubber and hanger up to floor. Remove hanger and replace stripping rubber.
18. After tubing is pulled out, complete cleanout to 1770'

Take necessary precautions to guard against the presence of H2S if treatment done *

This temporarily completes the REVEX portion of steps. Convert project costs to Integrity Management project#

Set Bridgeplug, Test Casing , Run CBL and Locate Hole(s)

19. RIH w/ 2-3/8" workstring and 4-1/2" RBP and packer set @ 1585'. Pressure test RBP and packer to 500 psi. POOH.

Pressure test casing to 500 psi and hold for 15 mins.

- If casing does not hold, prepare to run CBL, Notify NMOCD or appropriate Regulatory authorities and continue at step 20.
- If casing does hold, TIH w/ retrieving head and remove RBP and packer combo and proceed with steps to repair completion in a separate set of procedures.

20. RIH and stab into packer, move packer uphole and test section of casing to 500 psi. Check each 500' interval until approximate location of holes can be isolated. Identify and record location of holes.

21. RIH w/ Schlumberger or logging company tool and set at 1575'. Run CBL or Noise Log from 1575' to surface. (TOC from previous CBL is located at 1506'). Locate TOC from new CBL run.

Set Retainer, Perforate, Pump Cement & Squeeze:

22. Place sand on RBP. RIH w/ 2-3/8" workstring and set Retainer inside 4-1/2" casing above the annulus TOC in preparation to perforate holes. Make sure to avoid collars. TOH
23. TIH and stab through Retainer w/ 2-3/8" w/ perf gun and shoot holes @ 4spf at ~ required location based on CBL. TOH.
24. RIH w/ 2-3/8" open-ended workstring and try to establish pump-in rate. Circulate fluid to surface, if possible.
25. RIH w/ workstring and pump required cement. Displace water and fluids in annulus between 8-5/8" casing & 12-1/4" hole to surface. Perform hesitation SQUEEZE, if possible. POOH. Let cement set and WOC.

Drill Out Cement & Pressure Test Casing:

26. TIH w/ bit for 4-1/2" casing and drill out cement & Retainer to below plug interval. TOH w/ bit and TIH w/ scraper. Run scraper carefully across plug interval to remove cement stringers. Circulate fluids out of wellbore. POOH.

27. Pressure test casing to 500 psi. If does not hold, consult with Engineer about other options. Otherwise, proceed with next steps

28. TIH w/ retrieving head to pull out RBP. Circulate sand off RBP. Swab fluid off RBP and retrieve BP. Return to C-O and Pump change procedures for GCU 232 Well. Integrity Management Project # ends here.

Note: After the casing repairs are complete and casing meets pressure requirements, any remaining costs to repair the well should be charged back to the REVEX project AFE.


Gallegos Canyon Unit 232

Pictured Cliffs
API # 30-045-11630
T-28N, R-12-W, Sec. 26
San Juan County, New Mexico

History

Spud Date: 1965
Well Svc. (2004) - Cleanout Fill, Tag Fill @ 1786'
Well Svc. (2003) - Hole in bottom jt of tubing; Tag bottom 1792'
Well Svc. (2002) - Pump change
Well Svc. (1998) - Recomplete

Rod Details (2007)

ROD, POLISHED: 1.25
RODS, PONY: 0.750 GRD. D
RODS, PONY: 0.750 GRD. D
RODS: 0.75 X 25 GRD. D
PUMP, RWAC, 2.0 X 1.25 X 9

PC Perfs (1998)

1597'-1640' w/ 4 JSPF

Tubing Details (2007)

TUBING HANGER, 2.375 X 7.0625
TUBING, 2.375, 4.7#, J-55, EUE T+C
TUBING, 2.375, 4.7#, EUE, BORONIZED
NIPPLE, PROFILE, "F", 2.375 OD, 1.780 ID
MULE SHOE, 2.375

cement plug @ 5012'-5262'
38 sxs class B cement

cement plug @ 5795'-6045'
38 sxs class B cement

GR 5844'

12-1/4" Hole
8-5/8", 24#, J-55 @ 357'
Cmt w/ 200 sks

Tubing (2004)

2 3/8", 4.7#, J-55, EUE (55 JTS)

EUI @ 1,135'

PC Frac (1998)

74,967 lbs of 16/30 Arizona Sand

TOC @ 1506'

PBTD = 1840'

CBL ran 1998; good cement found 800'-1840'

cement retainer @ 3170'

Dakota Perfs (1966)

6093' - 6118'
6165' - 6190'

Frac'd w/ 500 gals 7 1/2% Acid. 43,500
gals of water & 20,000 lbs of sand
33,150 gals of water & 33,000 lbs of sand

7-7/8" Hole
4-1/2", 10.5#, @ 6301'
500 sxs 1st stage
500 sxs 2nd stage
400 sxs 3rd stage

PBTD: 6045'
TD: 6301'

NFM (01 18 2010)

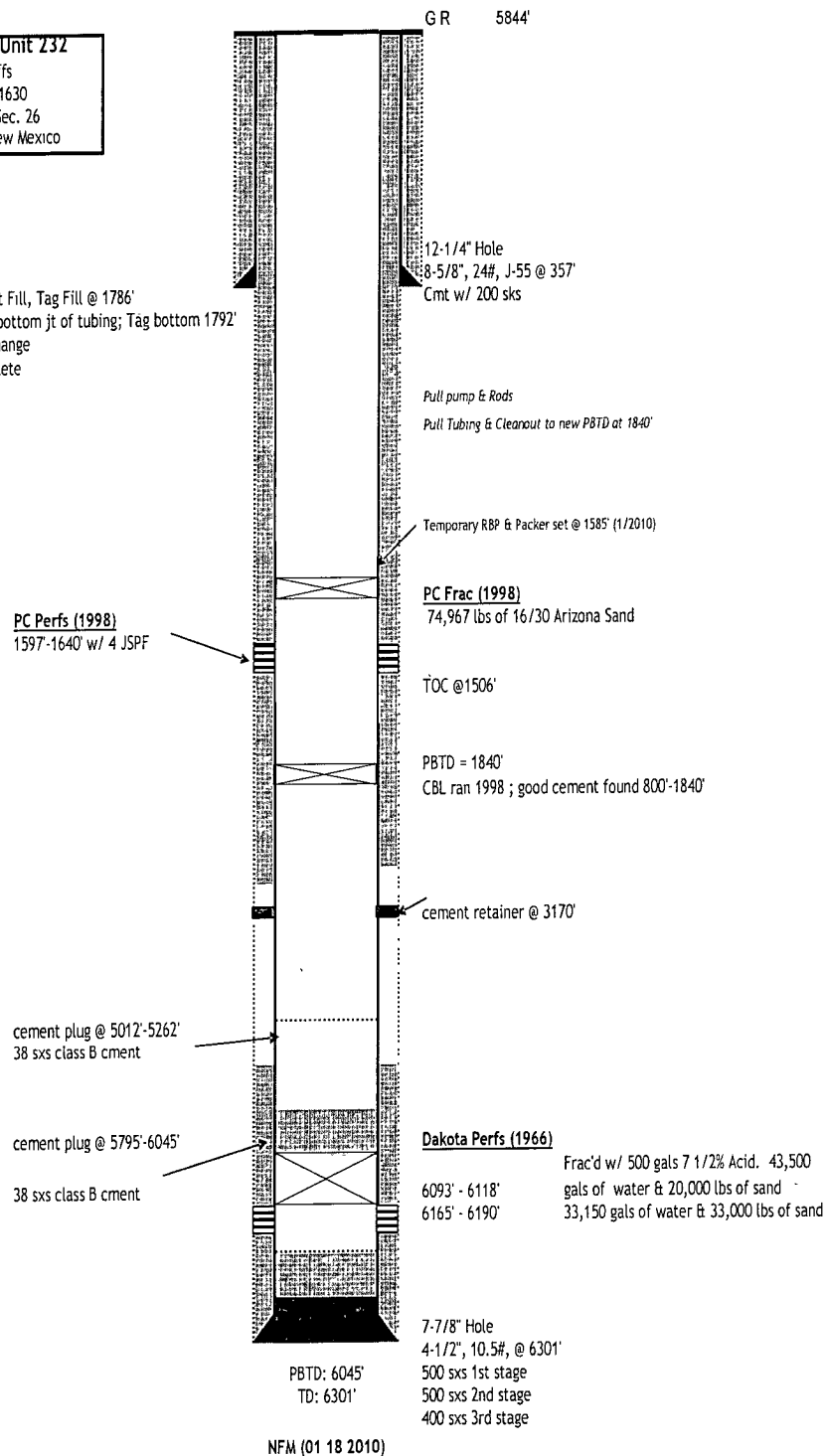
Wellbore for BH Repair



Gallegos Canyon Unit 232
 Pictured Cliffs
 API # 30-045-11630
 T-28N, R-12-W, Sec. 26
 San Juan County, New Mexico

History

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San Juan - San Juan South

Country: UNITED STATES	County: SAN JUAN	Event: WORKOVER	Wellbore: OH	Orig KB Bay: 5,856.00 ft
Region: NORTH AMERICA	State: NEW MEXICO	Event Start: 11/26/2007	Top TMD: 0.0 ft	Ground Bay: 5,844.00 ft
Bus. Unit: NAG SPU	District: FARMINGTON	Event End: 11/28/2007	Bottom TMD: 1,732.0 ft	KB to GL: 12.0 ft
Perf Unit: SAN JUAN		Objective: TUBING INSTALL	Spud: 3/3/1966	Mud Line Bay: 0.00 ft
Asset: SAN JUAN SOUTH		Contractor: KEY ENERGY SERVICES		
Field: BASIN-DAKOTA-GAS				

Tubing/CT/SS Components			Min ID	Top	Wellsketch		Perf Interval / SPF / Phasing		
1 - ROD, POLISHED: 1.25				0.0 ft					
TUBING HANGER, 2.375 X 7.0625	7.027 in	1	1.00 ft	0.00 lb/ft		EUE 8RD	1.995 in	S	MULE SHOE JT.
TUBING, 2.375, 4.7#, J-55, EUE T	2.375 in	53	1,658.20 ft	4.70 lb/ft	J-55	EUE T+C	1.995 in	Y	
TUBING, 2.375, 4.7#, EUE, BORO	2.375 in	2	58.93 ft	4.70 lb/ft	J-55	EUE 8RD	1.995 in	N	
NIPPLE, PROFILE "F", 2.375 OD	2.375 in	1	1.10 ft	0.00 lb/ft		EUE 8RD	1.780 in	S	
MULE SHOE, 2.375	2.375 in	1	16.00 ft	0.00 lb/ft	J-55	EUE 8RD	1.995 in	S	
SUCKER RODS									
Install Date: 11/28/2007			Top: 0.00 ft	Status: INSTALLED					
			Bottom: 1,739.0 ft	Pull Date: <no data>					
Component Details	Size	Jts	Length	Weight	Grade	Threads	Min ID	Cond.	Comments
ROD, POLISHED: 1.25	1.250 in	1	16.00 ft	0.00 lb/ft			0.000 in	S	
RODS, PONY: 0.750 GRD. D	0.750 in	1	8.00 ft	0.00 lb/ft	D		0.000 in	S	
RODS, PONY: 0.750 GRD. D	0.750 in	1	8.00 ft	0.00 lb/ft	D		0.000 in	S	
RODS, 0.75 X 25 GRD. D	0.750 in	68	1,700.00 ft	0.00 lb/ft	D		0.000 in	S	
PUMP, RWAC, 2.0 X 1.25 X 9	2.000 in	1	9.00 ft	0.00 lb/ft			1.250 in	UI	

11/28/2007

tails