

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
June 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
30-045-32683

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Barnes Gas Com D

8. Well Number **1S**

9. OGRID Number

000778

10. Pool name or Wildcat

Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

BP America Production Company

3. Address of Operator

P.O. Box 3092 Houston, Tx 77253-3092

4. Well Location

Unit Letter **D** : **785** feet from the **North** line and **985** feet from the **West** line
Section **24** Township **32N** Range **11W** NMPM **San Juan** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6201 GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☒ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work).
SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The above mentioned well has not produced since 12/2009.

To avoid premature abandonment & for further evaluation BP requests permission to place well in Temporary Abandonment status.

BP also intends to use the well for pressure monitory purposes.

Please see the attached TA procedure.

RCVD NOV 19 '10
OIL CONS. DIV.

DIST. 3

Spud Date:

04/01/2005

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 11/17/2010

Type or print name Cherry Hlava E-mail address: hlavacl@bp.com PHONE: 281-366-4081
For State Use Only

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector,
Conditions of Approval (if any): District #3 DATE 11-29-10

*SEE CHANGES TO STEP# 27 IN THE
"TEST CASING INTEGRITY" SECTION

Must Comply with NMOCD Rules
19.15.25.12, 19.15.25.13 and
19.15.25.14



BP - San Juan Wellwork Procedure

Barnes GC D 1S

General Information:

Formation:	FC	Job Objective:	Tubing Repair
Project #:		Date:	11/11/2010
Intervention Engineer:	Trevor M ^c Clymont	p. 281.366.1425	c. 701-770-6879
Base Management Engr:		p.	
Production Team Leader		p.	
Additional Intervention Engineer	David Wages	p. 281.366.7929	c. 406-231-4679
	Jim McKamie	p. 281.366.5401	c. 281-660-4946

Well Information:

API Number: 30-045-32683

BP WI:

Run #:

Lease FLAC:

Well FLAC:

Surface Location:

Unit D - Sec 24 - T32N -
R11W

GPS Coordinates:

lat 36.97565
long 107.94680

Meter #:

Cost Center:

Compressed (Y/N):

Y

Restrictions:

None

Regulatory Agency:

NMOCD

Budget and Work Order Information

Rig Budget:

P&C Budget:

Swabbing Budget:

Production Data:

MASP

Tubing Pressure:

Casing Pressure:

Line Pressure:

Pre-rig Gas Rate:

Anticipated Uplift:

Water Rate:

CO2 (%):

H2S (PPM):

Gas BTU:

Artificial Lift Type:

Compress Beampump

Area Classification:

Total AFE Amount:

Work Order #:

Safety and Operational Details:

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

Recommended By:

Input From:

Approved By:

Well History:

Spud date 4/2005

No well intervention since completion

Policy Reminder

Any changes to the written procedure requires an approved MoC
MoC (except BoD/SoR) approvals during execution have been delegated to the OTL

Standard Site Preparations

Perform pre-rig site inspection. Per Applicable documents, check for:

1. Size of Location	6. Wash (dikes requirements)	11. Landowner Issues
2. Gas Taps, (notify land owners)	7. Raptor nesting	12. Protection Barriers Needed
3. Other Wells	8. H ₂ S	13. Critical Location
4. Other Operators	9. Wetlands	14. Anchors
5. Production Equipment	10. Location of Pits	15. ID Wellhead for proper flange connection

Allow 48 hours for One Call if earth pit is required.

1. Notify NMOCD 24 hours prior to performing the work.
NMOCD: (505) 334-6178 (Kelly Roberts)
2. Work through CoW and w/ Planning & Scheduling to develop a plan to move or temporarily relocate equipment that prohibits well servicing/plugging objectives.
3. Perform and second site visit after lines are marked to ensure all lines locations are clearly marked and that P&S has stripped equipment and set surface barricades as needed.
4. 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.

Rig Procedure:

5. Check and record casing pressure, intermediate, and Bradenhead pressures. Record all pressures into OPENWELLS. *Notify engineer if any BH pressure exists, or if there is any water or gas flow.*
6. Check gas H₂S content. If the concentration is > or equal to 10 ppm, contact engineer to discuss treatment options
7. MIRU workover rig.
8. Insure double casing valves are installed. Spot in 3" line and connect to flow back tank to blow down well, record pressures while blowing well down.
9. Move in Wire-Line unit, equipment and crew.
10. RU unit with a lubricator and BOP to wellhead reference NAG-NOP-SL01

NOTE: Refer to NAG Breaking Containment STP (NAG-GP 10-36-1) and SJS Specific SOP for Breaking Containment

Set Two Mechanical Barriers

11. RU slickline unit using NAG-SL-NOP.
12. RIH with appropriate gauge ring for 2 3/8" tubing, (drift is 1.901) to tag PBTD (2945').
13. There must be two mechanical pressure barriers in tubing in order to break containment. Well Site Leader discretion as to the type of barrier and location as long as they conform to DWOP and NAG-GP 10-36-1 for Breaking Containment
 - RIH and set F plug in F nipple at 2897'. The ID is 1.780".
 - If the tubing hanger is compatible, a 2-way check or BPV can be used as the 2nd barrier.
 - If two way check or BPV can be installed then RU lubricator and set two way check.
 - If threads for two-way check are too worn to set check, install "G" pack-off at +/-500'.

Note: It is permissible to use kill weight fluid on the formation as a barrier provided the fluid level is monitored using a pressure valve

Completion Removal:

7. ND wellhead and install TIW valve with lifting pup joint in hanger (if two plugs were successfully set in tubing, the TIW valve is not necessary but installed for ease of closing, the WSL may omit if the WSL deems necessary).

Note: Ensure that TIW valve w/ square key for opening and closing is on the Rig floor to stab into the tubing if the well "kicks".

8. NU BOPs and diversion spool to wellhead with mudcross - 3" outlets and 3" pipe to the flow back tank.
 - Pressure test BOPs to 250 psi on the low end and on the high range at 1000 psi
 - Monitor flowing casing pressure with gauge (with casing flowing to flow back tank, if available throughout workover)
 - If downhole plugs were installed then RU SL using **NAG-SL-NOP** and pull downhole plugs.
9. 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, stripping through pipe rams.
10. Monitor flowing casing pressure with gauge (with casing flowing to flow back tank), if available, throughout workover.
11. RU wellhead lubricator to remove BPV or two-way check, if installed
12. Pull BPV or two-way check. RD lubricator.
13. Remove hanger and replace stripping rubber.
14. Open rams and TOO H w/ 2-3/8" production tubing currently set at 2936'. Visually inspect tubing while POOH. Lay down bad tubing as necessary.
Contact engineer if heavy scale or corrosion is present, may need to perform acid/ chemical treatment job.

TIH w/ Completion string:

15. MU workstring BHA with the suggested assembly
 - Bit for 5.5" casing liner (drift 4.825")
 - Bit Sub
 - Scraper for 5.5" casing liner (drift 4.825")
16. RIH and scrape casing liner from TOL (2600') to 2655' to ensure packer will set
17. TOH with work string
18. MU 2-3/8" tubing with the following assembly
 - TUBING HANGER, 2.375 X 7.0625
 - TUBING (82), 2.375, 4.7#, J-55, EUE
 - TUBING SUB, 2.375 (if needed for space out)
 - PACKER for 5-1/2" CASING (Arrow Set, Hornet 2, or similar)
 - TUBING SUB, 2.375 X 4 FT
 - NIPPLE, PROFILE, "F", 2.375 OD, 1.780 ID
 - TUBING (9), 2.375, 4.7#, J-55, EUE
 - TUBING SUB, 2.375 (if needed for space out)
 - MULE SHOE, 2.375"
19. RIH with workstring to 2935'
20. Set packer at 2640' +/-
 - Make last movement down to position J-Pin in top of J-slot
 - Rotate tubing 1/4 turn and pull into tension prescribed by packer hand
21. MU redressed tubing hanger and TIW valve on lifting pup
22. Land tubing 2935 +/-'
23. Spot in pump truck and pump
24. RU pumping manifold to wellhead and configure to pump down production annulus
25. Pressure test lines to 1000 psi

Test Casing Integrity

NOTE: Temporary abandonment operations must comply with DWOP 26.2 and all NMOCD requirements

26. Pump some inert fluid down back side for pressure testing casing
 - 7 gals of Baker Packer fluid per 1 bbl of 2% KCL equivalent water (*Baker product name: WCW-5827*)
27. Using a chart recorder, test casing to 500 psi for 30 and hold undisturbed.
 - Pressure drop can not be more than 10% ~~over a 30 minute period, this will confirm integrity of casing~~
 - ✱ • **PRESSURE MUST LEVEL OFF AND HOLD STEADY FOR A 30 MINUTE PERIOD.**
- If casing fails integrity test, contact Houston to discuss need for change of scope to PA**
28. Top off wellbore by pumping an additional quantity of inert fluid to ensure casing is full with fluid
 - 7 gals of Baker Packer fluid per 1 bbl of 2% KCL equivalent water (*Baker product name: WCW-5827*)
29. RD pump truck and pumping lines
30. ND BOP, NU wellhead
31. Shut in Well
32. RDMO service unit
33. Notify NMOCD representatives and Cherry Hlava of successful TA. Record operations in Open Wells

Proposed Well Bore Diagram



Barnes GC D1S

Fruitland Coal
API # 30-045-32683
T-32-N, R-11-W, Sec. 24
San Juan County, New Mexico

Well History

Spud Date - 4/2005

Completed 4/2005

No well intervention since completion

Tubing Details

TUBING (1), 2.375, 4.7#, J-55, EUE

NIPPLE, PROFILE, "F", 2.375 OD, 1.780 ID

MULE SHOE 2.375"

est. TOC @ surface (circ)
12-1/4" hole
9-5/8" 32.3#, H-40 @ 120'
100 sxs 'G' cmt (circulated)

est. TOC surface (based on returns)

5-1/2" liner hanger @ 2600'

7" 20#, J-55 @ 2627'

333 sxs 'G' cmt, circulated to surface

Tubing: 2-3/8" 4.7#, J55

EOT @ 2935' +/-

Packer Set @ 2640'

Fruitland perms 2661' - 2940'

5-1/2" liner, 15.5#, J55 2945'

TD: 2945'

PBTD: 2945'

updated: THM 11/12/2010

Current Well Bore Diagram



Barnes GC D1S
Fruitland Coal
API # 30-045-32683
T-32-N, R-11-W, Sec. 24
San Juan County, New Mexico

Well History

Spud Date -4/2005

Completed 4/2005

No well intervention since completion

Tubing Details (4/2005)

TUBING (1), 2.375, 4.7#, J-55, EUE

PUP JOINT 2.375 4'

TUBING (90), 2.375, 4.7#, J-55, EUE

NIPPLE, PROFILE, "X", 2.375 OD, 1.875 ID

PUP JOINT 2.375 4'

NIPPLE, PROFILE, "F", 2.375 OD, 1.780 ID

CROSS OVER 2.375 X 3.875

PUP JOINT 2.3875 4'

PERFORATED PUP JOINT 4'

PUP JOINT 2.875 10'

PERFORATED PUP JOINT 3'

PUP JOINT 2.875 10'

PUP JOINT 2.875 6'

BRIDGE PLUG

Sucker Rod Detail (4/2005)

ROD, POLISHED: 1.25 x 26'

RODS (114): 0.75 X 25 GRD. D

PUMP, RWBC, 2.0 X 1.25 X 16

Cross over 2-3/8 x 2-7/8 @ 2898'

Perforated Pup Joints

Bridge Plug

est. TOC @ surface (circ)

12-1/4" hole

9-5/8" 32.3#, H-40 @ 120'

100 sxs 'G' cmt (circulated)

est. TOC surface (based on returns)

5-1/2" liner hanger @ 2600'

7" 20#, J-55 @ 2627'

333 sxs 'G' cmt, circulated to surface

Tubing: 2-3/8" 4.7#, J55
EOT @ 2936' (4/2005)

Fruitland perms 2661' - 2940'

5-1/2" liner, 15.5#, J55 2945'

TD: 2945'

PBTD: 2945'

updated: THM 11/12/2010

Downhole Equipment

Component Type	Joints	Body OD (in)	Body ID (in)	Min ID (in)	Drift (in)	Top Set (ft)	Length (ft)	MD Base (ft)	Component Status	Component Detail
Polished Rod	1	1.500	0.000	0.000	0.000	12.0	26.00	38.0	No status information	POLISHED ROD 1.5 in,
Polished Rod	1	0.750	0.000	0.000	0.000	38.0	2.00	40.0	No status information	POLISHED ROD 0.75 in, D
Polished Rod	1	0.750	0.000	0.000	0.000	40.0	4.00	44.0	No status information	POLISHED ROD 0.75 in, D
Polished Rod	1	0.750	0.000	0.000	0.000	44.0	6.00	50.0	No status information	POLISHED ROD 0.75 in, D
Polished Rod	1	0.750	0.000	0.000	0.000	50.0	8.00	58.0	No status information	POLISHED ROD 0.75 in, D
Rod	114	0.750	0.000	0.000	0.000	58.0	2,850.01	2,908.0	No status information	ROD 0.75 in, D
Rod Pump	1	2.000	1.250	1.250	0.000	2,908.0	16.00	2,924.0	No status information	ROD PUMP 2 in,

Component Type	Joints	Body OD (in)	Body ID (in)	Min ID (in)	Drift (in)	Top Set (ft)	Length (ft)	MD Base (ft)	Component Status	Component Detail
Tubing Joint(s)	1	2.375	1.995	1.995	0.000	12.0	31.63	43.6	No status information	TUBING JOINT(S) 2.375 in, J-55, 4.7
Tubing Pup Joint	1	2.375	1.995	1.995	0.000	43.6	4.07	47.7	No status information	TUBING PUP JOINT 2.375 in,
Tubing Joint(s)	90	2.375	1.995	1.995	0.000	47.7	2,843.20	2,890.9	No status information	TUBING JOINT(S) 2.375 in, J-55, 4.7
Profile Nipple	1	2.375	1.875	1.875	0.000	2,890.9	0.93	2,891.8	No status information	PROFILE NIPPLE 2.375 in,
Tubing Pup Joint	1	2.375	1.995	1.995	0.000	2,891.8	4.05	2,895.9	No status information	TUBING PUP JOINT 2.375 in,
Profile Nipple	1	2.375	1.780	1.780	0.000	2,895.9	0.93	2,896.8	No status information	PROFILE NIPPLE 2.375 in,
Crossover	1	2.875	1.920	1.920	0.000	2,896.8	0.74	2,897.5	No status information	CROSS OVER 2.875 in,
Tubing Pup Joint	1	2.875	2.441	2.441	0.000	2,897.5	4.23	2,901.8	No status information	TUBING PUP JOINT 2.875 in,
Perforated Joint(s)	1	3.500	0.000	0.000	0.000	2,901.8	4.12	2,905.9	No status information	PERFORATED JOINT(S) 3.5 in, N-80, 6.5
Tubing Pup Joint	1	2.875	2.441	2.441	0.000	2,905.9	10.15	2,916.0	No status information	TUBING PUP JOINT 2.875 in,
Perforated Joint(s)	1	2.875	2.441	2.441	0.000	2,916.0	3.15	2,919.2	No status information	PERFORATED JOINT(S) 2.875 in, N-80, 6.5
Tubing Pup Joint	1	2.875	2.441	2.441	0.000	2,919.2	10.15	2,929.3	No status information	TUBING PUP JOINT 2.875 in,
Tubing Pup Joint	1	2.875	2.441	2.441	0.000	2,929.3	6.17	2,935.5	No status information	TUBING PUP JOINT 2.875 in,
Bridge Plug	1	-91,230,000.0 00,000,000.0 00.000	-91,230,00 0,000,000, 000,000.00	-91,230, 000,000, 000,000,000,000	-91,230,0 00,000,0 00,000,0	2,935.5	0.73	2,936.2	No status information	BRIDGE PLUG -9.123e+019 in,

Assembly Name	Size (in)	Status	Top at (ft)	Assembly Length (ft)	MD Landed (ft)	Min. String ID (in)	Type
CONDUCTOR 1	9.625	INSTALLED: 4/2/2005 00:00	11.0	130.17	141.2		Casing
PRODUCTION CASING 1	7.000	INSTALLED: 4/4/2005 00:00	11.0	2,620.47	2,631.5		Casing
PRODUCTION LINER 1	5.500	INSTALLED: 4/7/2005 00:00	2,600.0	344.04	2,944.0		Casing