

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

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.)		WELL API NO. 30-045-24179
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator BP America Production Company – BPX		6. State Oil & Gas Lease No.
3. Address of Operator 1199 Main Ave., Suite 101, Durango, CO 81301		7. Lease Name or Unit Agreement Name Gallegos Canyon Unit Com
4. Well Location Unit Letter <u>A</u> : <u>900</u> feet from the <u>North</u> line and <u>790</u> feet from the <u>East</u> line Section <u>23</u> Township <u>29N</u> Range <u>13W</u> NMPM <u>San Juan</u> County		8. Well Number 94E
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5325'		9. OGRID Number 000778
		10. Pool name or Wildcat Basin Dakota / Totah Gallup

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The subject well was plug and abandoned on 12/18/2018 per the attached final activity report and plugged wellbore diagram.

NMOC

JAN 01 2019

DISTRICT III

Approved for plugging of wellbore only.
Liability under bond is retained pending
Receipt of C-103 (Subsequent Report of Well
Plugging) which may be found @ OCD web
page under forms
www.emnrd.state.us/ocd

Spud Date: 04/09/1980

Rig Release Date: 12/18/2018

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

SIGNATURE Patti Campbell TITLE Regulatory Analyst DATE 12/27/18

Type or print name Patti Campbell E-mail address: patti.campbell@bpx.com PHONE: 970-712-5997

For State Use Only

APPROVED BY: Mexica Kuchling TITLE Deputy Oil & Gas Inspector,
Conditions of Approval (if any): PN District #3 DATE 1-8-19

GCU Com #94E

Plugged

Totah Gallup

Today's Date: 12/26/18

900' FNL, 790' FEL, Section 23, T-29-N, R-13-W, San Juan County, NM

Spud: 4/9/80

Completion: 4/11/81

Re-Complete: 8/6/13

Elevation: 5325' GI

Lat: 36.716811 N / Lat: -108.169323 W, API #30-045-24179

12.25" hole
8.625", 24#, Casing set @ 298'
Cement with 350 sxs, circulate to surface

DV Tool @ 4100'
Stage 2: Cemented with 950 sxs

4.5" 11.6#, casing set @ 5973'
Stage 1: Cemented 550 sxs

7-7/8" Hole

TD 5973'
PBTD 5444'

Plug #10: Mix & pump 52sxs Class G cmt from 95' – Surface
Perf 6 holes @ 95'

Plug #9: Mix & pump 25sxs Class G cmt from 310' – 100'
Perf 3 holes @ 310'. Set CR @ 280'

Plug #8: Mix & pump 25sxs Class G cmt from 383' – 315'
Perf 3 holes @ 383'. Set CR @ 360'

Plug #7: Mix & pump 32sxs Class G cmt from 418' – 390'
Perf 3 holes @ 450' Set CR @ 418'.

Plug #6: Mix & pump 22sxs Class C cmt from 559' – 509'
TOC. Perf 3 holes @ 559'. Set CR @ 509'

Plug #5B: Mix & pump 10sxs Class C cmt from 822' – 671'
TOC. Perf 3 holes @ 820'

Plug #5A: Mix & pump 10sxs Class C cmt from 920' – 769'
TOC

Plug #5: Mix & pump 65sxs Class C cmt from 986' – 920'
TOC. Perf 3 holes @ 986'. Set CR @ 920'

Plug #4: Mix & pump 12sxs Class C cmt from 1251' – 1070'
TOC

Plug #3: Mix & pump 62sxs Class C cmt from 2867' – 1929'
TOC. Perf 3 holes @ 2815'

Plug #2: Mix & pump 18sxs Class C cmt from 4056' – 3784'
TOC. Perf 3 holes @ 4006'

Plug #1: Mix & pump 10sxs Class C cmt from 4840' – 4689'
TOC

Set CR @ 4840'

Gallup Perforations:
4890' – 4990'
5140' – 5230'

Set CIBP @ 5720' (2013)
Cement with 100 bbls; tag 5444'

Dakota Perforations:
5752' – 5866'

**BP AMERICA
PRODUCTION
COMPANY**

Attn: Scanning Department
VSOWADGEN1
San Antonio, TX 78269-6494



P.O. Box 1979, Farmington, NM 87499
(505) 325-2627

Name: GCU Com 94E
API:30-045-24179, 12/26/2018

Well Plugging Report

Plugging Detail

NOTIFICATION – On 2/27/18, NMOCD @ 7:55AM / BLM @ 7:56AM

Plug #1 – (Gallup Top) Mix & pump 10sxs (13.2 cu/ft, 15.0#) Class C cmt from 4840' – 4689' TOC

Plug #2 – (Mancos Top) Mix & pump 18sxs (23.76cu/ft, 15.0#) Class C cmt w/ 2% CaCL from 4056' – 3784' TOC.

Plug #3 – (Mesaverde/Chacra Tops) Mix & pump 62sxs (81.84 cu/ft, 15.1#) Class C cmt from 2867' to 1929' TOC.

Plug #4 – (Pictured Cliffs Top) Mix & pump 12sxs (15.84 cu/ft, 15.0#) Class C cmt from 1251' to 1070' TOC.

Plug #5 – (Fruitland Top) Mix & pump 65sxs (85.8 cu/ft, 15.1#) Class C cmt from 986' to 920' TOC, w/ 60 sxs in annulus, 5 sxs below CR.

Plug #5A – (Fruitland Top) Mix & pump 10sxs (13.2 cu/ft, 15.0#) Class C cmt from 920' to 769' TOC.

Plug #5B – (Fruitland Top) Mix & pump 10sxs (13.2 cu/ft, 15.0#) Class C cmt from 822' to 671' TOC.

Plug #6 – (Kirtland Top) Mix & pump 22sxs (29.04 cu/ft, 15.1#) Class C cmt from 559' to 509' TOC, w/ 18 sxs in annulus, 4 sxs below.

Plug #7 – (Surface) Mix & pump 32sxs (15.8 PPG, 1.15 Yield, 37.9 CUFT) Class G Cement from 418' – 390'

Plug #8 – (Surface) Mix & pump 25sxs (15.8 PPG, 1.15 Yield, 28.7 CUFT, 5.1 BBL Slurry) Class G Cement from 383' – 315'

Plug #9 – (Surface) Mix & pump 25sxs (15.8 PPG, 1.15 Yield, 28.7 CUFT, 5.1 BBL Slurry) Class G Cement from 310' – 100'

Plug #10 – (Surface) Mix pump 52sxs (15 PPG, 1.15 Yield, 59.8 CUFT, 10.6 BBL Slurry) Class G Cement from 95' - Surface

Work Detail

PUX	Activity
02/27/2018	
P	Spot in equip., and pulling unit
P	RU pulling unit, unload BOP, RU pumping equip.
P	Check PSI on Well, 2 3/8" tbg-80 PSI, 4 1/2" csg-940 PSI, BH-70 PSI. (Wait csg flange to 2" outlit, PU from WSI.)
P	RU WSI csg flange RU relief lines blow tbg down to 0 PSI, LD polish rod unseat pump, LD 10' pony, 1 rod, PU polish rod, RU pump to tbg pump 20 BBLs down tbg, LD polish rod.
P	TOOH, LD 206-7/8" rods, 6-1" K-bars, rod pump. SIW, drain up, secure loc., SDFD, travel to yard.
02/28/2018	
P	S & S equip. HSM on JSA.
P	Check PSI on Well, 2 3/8" tbg-0 PSI, 4 1/2" csg-1200 PSI, BH-0 PSI, RU relief lines blow attempt to blow Well down, RU pump to csg pump 30 BBLs to Well
P	ND WH. NU BOP, RU work-floor, tbg equip., pull tbg hanger to 38K tbg became

free.

P TOO H and tally, 1 jnt, 10', 4' sub, 75 stds, LD 11 jnts, SN, MA, (165 jnts total), EOT @5295', and a tbg anchor @4445'

P RU A-plus WL, RIH w/ 4 1/2" GR to 4860', POOH, RD WL.

P PU 4 1/2" CR, TIH to 4840' set CR, RU pump to tbg load w/ 9 BBLs PT tbg to 1000 PT good, release and sting out, RU pump to tbg load and est circ w/ 30 BBLs, pumped 75 BBLs total, PT csg to 800 PSI, test good.

P OCD rep John Durham approved to set Plug #1 then run CBL above.

P Pumped **Plug #1**.

P LD 27 jnts, TOO H, LD setting tool, RU pump to csg load csg w/ 8 BBLs.

P RU WL, run CBL from 4590' to surface, found good cmt from 2590' to 4100', above questionable RD WL.

P SIW, drain up, secure loc. SDFD.

03/01/2018

P S & S equip. HSM on JSA.

P Check PSI on Well, no tbg, 4 1/2" csg-0 PSI, BH-105 PSI, open Well.

X *(WOO from NMOCD), request to change plug #2, to inside outside plug, and separate zones on plug #3 perf Mesaverde, balanced on the Chacra Top, Pictured Cliffs balanced plug, Fruitland Top perf.*

X RU A-plus WL, RIH w/ 3 1/8" HSC to 4006' perf 3 holes, RU pump to csg load and attempt to get a rate pressured up to 1000 PSI no rate (WOO) *OCD request to set balance plug WOC and tag, RD WL.*

X PU plugging sub, TIH to 4056', RU pump to tbg load and est circ, w/ 1BBL.

P Pumped **Plug #2**.

X LD, PUH to 3144'

X WOC

X TIH tag TOC @3890' tag good, LD tbg, TOO H, LD tbg plugging sub.

X RU WL. RIH w/ 3 1/8" HSC to 2815' perf 3 holes, load and attempt to get a rate pressured up to 1000 PSI no rate. *Approved to set balanced plug, and combined w/ Chacra Top.* RD WL.

P PU plugging sub, TIH to 2867', load and est circ. w/ 1 BBL.

P Pumped **Plug #3**.

P LD 29 jnts, PUH to 1927'

P SIW, drain up, secure loc. SDFD.

03/02/2018

P S & S equipment. HSM on JSA.

P Check PSI on Well, tbg-0 PSI, 4 1/2" csg-0 PSI, BH-110 PSI, RU relief lines open Well.

P TIH tag Plug #3 @1980' tag good, LD PUH to 1251', RU pump to tbg load and est circ w/ 3.5 BBLs.

X *NMOCD request to split Plug #4 balanced on the Pictured Cliffs, and inside outside plug on the Fruitland Top due to CBL.*

X Pumped **Plug #4**.

P LD 13 jnts, TOO H, LD plugging sub, RU pump to csg load w/ 2 BBLs.

X *Request to perf @986' closer to PC perfs to Well near by (GCU #391), NMOCD rep approved to perf, NMOCD Charley Perrin request to run CBL after WOC over weekend so disp to CR. (Monitor BH over weekend)*

X RU A-plus WL. RIH w/ 3 1/8" HSC to 986' perf 3 holes, got a rate 1 BPM @900 PSI, PU WL set CR. RIH to 920' set POOH, RD WL.

X PU stinger TIH to CR sting in got a rate of 1 BPM @1000 PSI.

X Pumped **Plug #5**. With 60sxs in annulus, 5sxs below CR.

X Wash cmt equip. Reverse circ 5 BBLs, sting in pressure up to 1000 PSI, wait 30 mins pressure up to 1000 PSI.

X Sting in, TOO, LD stinger.
P SIW, secure loc., SDFD, travel to loc.
03/05/2018
P S & S rig and equip.
P Check PSI on Well, no tbg, 4 1/2" csg-0 PSI, BH-shut in let build up, open Well, RU pumping equip., RU to csg load w/ 2 BBLs.
X RU A-plus WL, Run CBL from 920' to surface Found TOC @850'
X WOO. NMOCD approved to set balanced plug from 920' to 825' reverse out, perf @820' set CR squeeze out 50 sxs in annulus WOC overnight w/ BH shut in.
X TIH to 920' load and est circ w/ 1 BBL.
X Pumped **Plug #5A**.
X LD tbg to 820' reverse circ. clean TOO.
X RU WL. RIH w/ 3 1/8" HSC, to 820' perf 6 holes, POOH RU pump to csg attempt to get rate pressured up to 1200 PSI no rate, RU pump to BH attempt to pump down loaded w/ 1/2 BBL pressured up to 500 PSI, Brandon Powel approved to set balanced plug then perf @559', RD WL.
X TIH to 822' load and est circ. w/ 1 BBL.
X Pumped **Plug #5B**.
X LD, TOO, RU pump to csg, load 2 BBLs.
X RU WL. RIH w/ 3 1/8" HSC, to 559' perf 6 holes, POOH RU pump to csg got a tight rate 1/2 BPM @1300 PSI, Brandon Powel request to attempt pump the plug, PU 4 1/2" CR, RIH set CR @509' POOH RD WL
X PU stinger TIH to 509' sting in got a rate of 1/2 BPM #1300 PSI.
X Pumped **Plug#6**. With 18sxs in annulus, 4sxs below.
X Wash up cmt equip, RU pump csg reverse circ 5 BBLs, TOO, LD stinger.
P Drain up, SIW, secure loc., SDFD, travel to loc.
03/06/2018
P S & S rig and equip.
P Check PSI on Well, no tbg, 4 1/2" csg-0 PSI, BH-110 PSI, open Well, RU pumping equip., load csg w/ 2 BBLs
X NMOCD request to run CBL. Run CBL from 509' to surface, see no change in log.
X WOO. NMOCD request to do a hour shut in pressure reading shut in BH
X Shut in BH built up to 50 PSI., NMOCD request to vent for 4 hrs
P RD WL, SIW, drain up, secure loc., SDFD, travel to yard.
03/07/2018
X Wait on NMOCD rep, shut in BH for one hour requested
X Check PSI on BH-35 PSI, open BH wait request let vent for 4 hrs, then shut in for one hour again.
X Shut in BH, built up to 40 PSI, NMOCD request to vent overnight, travel to yard.
03/08/2018
P S & S rig and equip. HSM on JSA.
X Wait OCD rep. Request to shut in BH for one hour, check PSI on BH, 40 PSI, open BH, (WOO) NMOCD requested no more pumping cement until BH does not build any pressure down to 0 PSI let vent, can RD pulling unit.
X RD tbg equip, and work-floor, ND BOP, NU WH.
X RD pumping equip, load BOP, RD pulling unit.
X Load trailers, get equip ready for road, MOL.
12/06/2018
P HSM on JSA. (Shut in 8-5/8" BH per NMOCD request wait one HR.)
P Spot in equip. & Pulling Unit, RU Daylight Pulling Unit. (Check BH PSI @ 8:30 AM, PSI @ 12#, open BH).
P Unload & Function Test BOP, ND WH. NU BOP, RU Work Floor, RU TBG Equip. (Shut in BH @12:30 PM Per NMOCD Request).

P MU 3-7/8" Bit, Bit Sub, PU 6 DC, PU 10 JTS 2-3/8" TBG, TIH, Tag CIBP @ 510', LD 1 JT.
P RU 2.5 Power Swivel, PU 1 JT, Load Well W/ 1 BBL H2O, begin CIRC.
P Attempt Drilling Operations. Very little Returns At Mud Pit, No Hole Gained.
P LD 2 JTS, Secure Well, Drain Pump, SDFD, Travel back to yard. (Record SIBH PSI @ 22# PSI, leave BH Shut in overnight).

12/07/2018

P S & S equip. HSM on JSA.
P Check PSI TBG-0, CSG-0, BH-80# PSI, open TBG, CSG to pit, leave BH Shut in.
P RU Power Swivel, TIH to 509', establish circ. Attempt to Drill out CIBP, unable to get good penetration & Drill out.
P LD 1 JT, RD Swivel, TOO H W/ TBG & BHA, change Bit to Tri Cone Style, TIH W/ BHA, TBG, RU Swivel, PU 1 JT, establish CIRC.
P Continue Drilling Operations. Drill out 1.5', saw metal & rubber returns likely from CIBP, started seeing cement returns after. Drill another 3.5' of cement, for a total of 5' Drilled. (Gas Analysis Sample taken @1:00 PM per NMOCD Request).
P PU 2' CIRC Well Clean, LD 1 JT, drain Pump, Secure Well, SDFD. (BD BH, 80#-0 PSI Immediately, SI BH).

12/10/2018

P S & S equip. HSM on JSA.
P Check PSI TBG-0, CSG-0, BH-105# PSI. Open TBG & CSG to pit, leave BH shut in.
P Swap Pump Trucks, RU CIRC Lines, RU Power Swivel, PU 1 JT, TIH, Tag @514', establish CIRC.
P Begin Drilling Operations. Drilled 2.5'.
X Slowed to no Rate, make decision to TOO H, check bit.
P Secure Well, Drain Pump, SDFD.

12/11/2018

P S & S equip. HSM on JSA.
P Check PSI, TBG-N/A, CSG-0, BH-110# PSI. Open Well to pit.
P MU new 3-7/8" Tri Cone Bit, TIH W/ Drill Collars & TBG, RU Power Swivel, RU Pump Lines, establish CIRC.
P Begin Drilling, metal returns to pit, 11:30 AM saw Cement Returns at pit, Drill to 535', PU 5' clean up for 30 mins.
P RD Swivel, LD 1 JT, TOO H.
P RU WL, RIH perform CBL from 535'-0', LD Tool, RD WL.

12/12/2018

P Check PSI TBG-N/A, CSG-0, BH-115# PSI, open CSG to pit. (leave BH shut in).
P HSM on WL JSA, RU Cutters WL for noise Log, RIH 535' 1st run W/ BH shut in, open BH to 0 PSI, make 2nd run, saw water/gas flow @450' ROH, LD Tool.
P RD WL, Brandon Powell of NMOCD orders to PERF @450', set CR below 410', spot Cement Plug outside to 300'.
P HSM on JSA, RU A Plus WL, RIH to 450', PERF 4 Holes W/ 3-1/8" Deep Penetration Tag Gun. ROH, LD Tool. Load CSG W/ 1-1/2 BBL H2O, check ROI 1 BPM @750#, RD WL.
P MU 4-1/2" TBG Set CR, TIH to 418', set CR, sting out load CSG W/ 1/2 BBL H2O. Sting in ROI 1 BPM @ 750#.
P Pumped **Plug #7**. Unable to DISP 1.6 BBL, DISP .5 BBL 1500 PSI lock up, sting out W/ 2 SXS below CR, 25 SXS outside 4-1/2" CSG. Reverse CIRC 13 BBL, saw 1 BBL Cement Slurry returns to pit.(5 SXS).
P TOO H, drain Pump.
P Secure Well, travel back to yard.

12/13/2018

P S & S equip, HSM on JSA.

P Check PSI TBG-N/A, CSG-0, BH-85# PSI. Open CSG to pit, NMOCD orders to BD BH to 0#, shut BH in for 1 HR to see if BH builds pressure. Saw 30# after 1 HR shut in time. Brandon Powell of NMOCD orders to run CBL.

P HSM on WL JSA, RU WL, run CBL 418'-0'. Did not see any Cement from Plug #1 behind 4-1/2" CSG. POOH, LD Tool.

P Wait on orders from NMOCD, decision to PERF @ 383', set CR @ 360' spot Cement outside 4-1/2" CSG to block migrating gas.

P Load Well W/ 1BBL H2O, RIH to 383' PERF 6 W/ 3-1/8" HSC, POOH LD Tool, check ROI 2 BPM @ 300# PSI, RD WL.

P MU 4-1/2" TBG set CR, TIH to 360', set CR, Sting Out, load Well W/ 1/2 BBL, Sting in, Check ROI 2 BPM @ 300# PSI.

P Pumped **Plug #8**. Leaving 23 SXS outside CSG 2 SXS below CR, DISP 1.4 BBL H2O, (sustained 500# PSI while pumping). Sting Out W/ 0 PSI. Reverse CIRC W/ 8 BBL H2O, saw light Cement returns to pit.

P TOO, Secure Well, travel back to yard.

12/14/2018

P S & S equip, HSM on JSA.

P Check PSI TBG-N/A, CSG-0, BH-25# PSI, open CSG to pit. BD BH, shut in BH for 2 HRS Per NMOCD Request.

P RU WL, run CBL from 360'-0', POOH, LD Tool.

P Shut in BH PSI showed 0#, BD BH, slight blow, wait on orders. Decision to PERF @ 310', to fill small void seen on CBL W/ Cement.

P RIH to 310', PERF 6 Holes W/ 3-1/8" HSC, POOH, LD Tool, check ROI 1 BPM @ 900# PSI, RD WL.

P MU 4-1/2" TBG set CR, TIH to 280', set CR, Sting Out, load Well W/ 1 BBL H2O, Sting In.

P Pumped **Plug #9**. Pump PSI @ 1000#-600# PSI, DISP W/ 1 BBL H2O, final Sting Out PSI @ 0#.

P TOO, secure Well.

12/17/2018

P S & S equip. HSM on JSA.

P Check PSI TBG-N/A, CSG-0, BH-1/2# PSI, open CSG to pit, BD BH, slight puff. (Brandon Powell of NMOCD Approved to shoot surface PERFS, continue plugging Well).

P HSM on WL JSA, RU WL, RIH to 95' PERF 6 Holes W/ 3-1/8" HSC, POOH, LD Tool. Check ROI 3 BPM @ 0 PSI, RD WL.

P RD Work Floor, ND BOP, NU Well Head.

P Pumped **Plug #10**. Saw good cement returns through BH out to pit. Shut in Well.

P Wait on Cement sample.

P Open BH, CSG no PSI. Perform Hot Work Permit, HSM on JSA, RU Welder. Saw Cement Flow out 4-1/2" CSG. (Watch flow for 4 MINS decision to WOC Overnight). Shut in Well Secure LOC.

12/18/2018

P S & S equip. HSM on JSA.

P Open CSG, BH, no PSI, Flow, or Gas. Perform Hot Work Permit, RU Welder.

P Cut off WH. Cement @ Surface on 4-1/2" CSG & 8-5/8" Annulus, Weld Plate over CSG's, Weld DH Marker onto Plate.

P RD Daylight Pulling Unit, MOL.

* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

On Site Reps:

Name	Association	Notes
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Jonathan Kelly	NMOCD	On Loc
Monica Kuehling	NMOCD	On Loc
Thomas Vermersch	NMOCD	On loc