

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

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

Form C-103
Revised July 18, 2013

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. 30-045-07809
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Burlington Resources Oil & Gas Company, LP		6. State Oil & Gas Lease No. FEE
3. Address of Operator PO Box 4289, Farmington, NM 87499-4289		7. Lease Name or Unit Agreement Name Mangum
4. Well Location Unit Letter K : 1750 feet from the South line and 1770 feet from the West line Section 28 Township 29N Range 11W NMPM San Juan County		8. Well Number 4
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5438' GR		9. OGRID Number 14538
		10. Pool name or Wildcat

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.

8/2/2016 Notified OCD (Brandon Powell) at 8:46AM of BH pressure of 130psi from overnight. Blew down in less than 10 minutes with no waterflow. Will shut-in for 2 hours and if no pressure present then split plug with 417-517 for Kirtland Plug with no excess and shut-in to record pressure. If pressure will gather gas sample. Verbal approval received. Contacted OCD at 11:23AM and there is still gas and water flowing. Grabbed a sample. Strip log to find TOC will be performed.

8/3/2016 Notified OCD (Brandon Powell) of Surface plug request. BH pressure at 60psi from overnight and blew down and is flowing water, no gas. Leave flowing for 30 minutes to make sure there is no gas and continue with surface plug as planned. Verbal approval received.

8/4/2016 Contacted OCD (Brandon Powell) of waterflow on the BH and 30min shut-in pressure of 5psi. CBL shows 465' – 285' ratty cmt and 285-38' good cmt. 38' - to surface – no cmt. Requested to perf @ 360' and test rate. Attempt to set cmt retainer @ 340' or set balance plug. Verbal approval received.

The subject well was P&A'd on 8/5/2016 per the above verbal approvals and the attached report.

Spud Date:

Rig Rele:

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

CONS. DIV DIST. 3

AUG 16 2016

I hereby certify that the information above is true and complete to

SIGNATURE Crystal Walker TITLE Regulatory Coordinator DATE 8/15/2016

Type or print name Crystal Walker E-mail address: crystal.walker@cop.com PHONE: (505) 326-9837

For State Use Only

APPROVED BY: Bd. Roll TITLE DEPUTY OIL & GAS INSPECTOR DATE 8/22/16
Conditions of Approval (if any): AV DISTRICT #3

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 *fax: 505-325-1211

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Mangum 4

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1750' FSL and 1770' FWL, Section 28, T-29-N, R-11-W
San Juan County, NM
Lease Number: FEE
API #30-045-07809

Plug and Abandonment Report
Notified NMOCD and BLM on 7/27/16

Plug and Abandonment Summary:

- Plug #1** with CR at 5984' spot 12 sxs (14.16 cf) Class B cement from 5984' to 5826' to cover the Dakota top.
- Plug #2** with 12 sxs (14.16 cf) Class B cement from 5216' to 5058' to cover the Gallup top.
- Plug #3** with squeeze holes at 4315' and CR at 4263' spot 51 sxs (60.18 cf) Class B cement from 4315' to 4158' with 39 sxs in annulus, 4 sxs below CR and 8 sxs above CR to cover the Mancos top.
- Plug #4** with 12 sxs (14.16 cf) Class B cement from 3199' to 3041' to cover the Mesaverde top.
- Plug #5** with 12 sxs (14.16 cf) Class B cement from 2619' to 2461' to cover the Chacra top.
- Plug #6** with 12 sxs (14.16 cf) Class B cement from 1600' to 1442' to cover the Pictured Cliffs top.
- Plug #7** with squeeze holes at 1230' and CR at 1180' spot 51 sxs (60.18 cf) Class B cement from 1230' to 1075' with 39 sxs in annulus, 4 sxs below CR and 8 sxs above CR to cover the Fruitland top.
- Plug #8** with squeeze holes at 920' and CR at 886' spot 81 sxs (95.58 cf) Class B cement from 920' to 886' with 78 sxs in annulus and 3 sxs below CR.
- Plug #9** with squeeze holes at 517' and CR at 475' spot 300 sxs (354 cf) Class B cement from 517' to surface with 3 sxs below CR, 297 sxs in annulus to cover the surface, Ojo Alamo and Kirtland tops.
- Plug #9a** with squeeze holes at 360' spot 57 sxs (67.26 cf) Class B cement from 475' to surface with 36 sxs in annulus to cover the Kirtland and surface top.
- Plug #9b** with 12 sxs (14.16 cf) Class B cement from 55' to surface to cover the surface casing shoe.
- Plug 10** with 45 sxs Class B cement top off casings and install P&A maker with coordinates N 36° 41.666' W 108° 00.004'.

Plugging Work Details:

- 7/28/16 Rode rig and equipment to location. Spot in and RU. Bump test H2S equipment. Check well pressures: tubing and casing 200 PSI, bradenhead 65 PSI. Open bradenhead has water flow. Attempt to blow well down, kill tubing with 30 bbls of water. ND wellhead. NU BOP and kill spool. Pressure test 2-3/8" pipe rams to 1000 PSI, OK pull tubing hanger. TOH and tally 43 stds. SI well. SDFD.
- 7/29/16 Bump test H2S equipment. Check well pressures: tubing and casing 50 PSI and bradenhead 60 PSI. Blow well down. Function test BOP. Continue to TOH with 96 jnts, 5 jnts, 4' sub, 1 jnt, FN 2-3/8" tubing EUE total tally 198 jnts. Round trip 4-1/2" string mill to 6006'. PU 4-1/2" Select CR and set at 5984'. Pressure test tubing to 1000 PSI, OK. Establish circulation. Pressure test casing to 800 PSI, OK. LD setting tool. RU A-Plus wireline. Ran CBL from 5984' to surface, good cement from 5984' to 4750' and 4120' to 1750'. RD wireline. SI well. SDFD.

A-PLUS WELL SERVICE, INC.

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Farmington, New Mexico 87499
505-325-2627 *fax: 505-325-1211

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Plugging Work Details (continued):

- 8/1/16 Bump test H2S equipment. Check well pressures: no tubing, casing 80 PSI and bradenhead 60 PSI. Bradenhead still flowing water. Function test BOP. Establish circulation. Spot plugs #1 and #2. RU A-Plus wireline. Perforate 3 HSC squeeze holes at 4315'. Establish rate of 2.5 bpm at 1000 PSI. PU 4-1/2" Select CR and set at 4263'. Spot plugs #3, #4, #5 and #6. Note: NMOCD request to perforate at 1230' due to CBL. RU A-Plus wireline. Perforate 4 HSC squeeze holes at 1230'. Establish rate of 3 bpm at 500 PSI. RD wireline. PU 4-1/2" Select CR and set at 1180'. Establish rate of 2 bpm at 500 PSI. Spot plug #7 with calculated TOC at 1075'. SI well. SDFD.
- 8/2/16 Bump test H2S equipment. Check well pressures: no tubing, casing 0 PSI and bradenhead 130 PSI. Blow bradenhead down, stayed down for 10 minutes, started to continue flow water. COPC requested a 2 hour build up. Build up to 60 PSI, open monitor for 30 minutes, still flowing water. Wait on orders. Note: received orders to run CBL. RU A-Plus wireline. Ran CBL from 1044' to surface, CBL results the same. Note: COPC request to perforate pump cement to 517' with no excess. Perforate 4 HSC squeeze holes at 920'. POH. PU 4-1/2" Select CR and set at 886'. Establish circulation. Perform a dye test, pump 80 bbls, no dye returns. Spot plug #8 with calculated TOC at 886'. SI well. SDFD.
- 8/3/16 Bump test H2S equipment. Check well pressures: no tubing, casing 0 PSI and bradenhead 60 PSI. Open bradenhead water flowing. Function test BOP. RU A-Plus wireline. Ran CBL from 886' to surface, good cement from 690' to 550'. RD wireline. Note: NMOCD request to monitor water flow and check for gas in flow, no gas monitored. RU A-Plus wireline. Perforate 4 HSC squeeze holes at 517'. Circulate out bradenhead. PU 4-1/2" CR and set at 475'. Establish circulation. Spot plug #9 with TOC at surface. Displace to CR and sting out, reverse circulate 4 bbls. Casing pressured up to 200 PSI. SI well. SDFD.
- 8/4/16 Bump test H2S equipment. Check well pressures: casing 0 PSI and bradenhead break valve off had a slight water flow, shut in bradenhead. RU A-Plus wireline. Ran CBL from 475' to surface found TOC at 38'. Wait on orders. Note: COPC request to perf at 360'. Perforate 4 HSC squeeze holes at 360'. Attempt to establish rate, pressured up to 200# bleed down to 0 PSI. Wait on orders. Note: COPC request a UZI perf, wait on Bluejet. RU Bluejet wireline. RU 3-1/8" UZI and perforate 36 holes at 360', establish rate of 1 bpm at 900 PSI. RD Bluejet .NU stripping head. Establish circulation. Spot plug #9a with TOC at surface. TOH and LD 10' sub and 15 jnts. PU 1 jnt and circulate cement out of casing at 31'. LD 1 jnt, wash up cement equipment. Attempt to squeeze cement pump .4 bbl with 800 PSI to 50' TOC. SI well. SDFD.
- 8/5/16 Bump test H2S equipment. Check well pressures: casing 0 PSI and bradenhead 9 PSI. Open bradenhead, got drip every 2 to 3 seconds. 2 hr shut in test and built up to 8 PSI. Open bradenhead, no water but got CO₂ reading of 40 PPM. SI for 4 hrs to build pressure, got same reading 40 PPM of CO₂. Wait on orders. Note: received approval to top off casing and cut off. Establish circulation. Spot plug #9b. ND BOP and kill spool. RU A-Plus cut off. Cut off wellhead. Found cement down 1' in 4-1/2" casing and down 2' in annulus. Spot plug #10 top off casings and install P&A maker with coordinates N 36° 41.666' W 108° 00.004'.

Paul Wiebe and Thomas Vicermersch, NMOCD representative, were on location.
Stan Terwilliger, COPC representative, was on location.
Jim Morris, MVCI representative, was on location