

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
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.

5. Lease Serial No.

SF-078204

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

Burlington Resources Oil & Gas Company LP

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

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

8. Well Name and No.

Sunray D1

9. API Well No.

30-045-09295

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface

Unit M (SWSW), 990' FSL & 990' FWL, Sec. 21, T30N, R10W

11. Country or Parish, State

San Juan

New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Acidize

☐

Alter Casing

☐

Casing Repair

☐

Change Plans

☐

Convert to Injection

☐

Deepen

☐

Fracture Treat

☐

New Construction

☒

Plug and Abandon

☐

Plug Back

☐

Production (Start/Resume)

☐

Reclamation

☐

Recomplete

☐

Temporarily Abandon

☐

Water Disposal

☐

Water Shut-Off

☐

Well Integrity

☐

Other

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 must 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 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see attached for notifications to agencies.

RCVD MAR 28 '14

The subject well was P&A's on 3/12/14 per the attached report and notifications.

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Kenny Davis

Title **Staff Regulatory Technician**

Signature

Date

3/25/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ACCEPTED FOR RECORD

Title

MAR 28 2014

Office

FARMINGTON FIELD OFFICE
RY: S

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.

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.

12/11/13: In the BLM COA's there is an apparent typo on (3A) showing to set bridge plug @ 7020' (it should say 7200'). Called Steve Mason w/ BLM and he concurred. Called Brandon Powell w/ NMOCD and he also concurred.

2/24/13: Tagged @ 7102' on plug 1, plan was plug 7200' to 7100'. A bridge plug is in hole @ 7200' with 100' of fill on top of it. Request to not clean out fill & just pump cement on top of it. Bill Diers on site with BLM concurs. Called Brandon Powell w/ NMOCD. Brandon said graneros top is @ 7210' so it needs to be cleaned out and follow original plan. Called Bill Diers to let him know. Bill called Steve Mason to discuss. Steve Mason called Brandon Powell and after they talked, Brandon then agreed to grant permission for the request.

2/25/14: Pumped cap plug from yesterday's permission request. The cement should have come up 270' but when it was tagged up, it had only come up 12'. Request to mix 70 sacks and spot from plug 1 @ 7102' to 6365' combining plugs 1 & 2. Bill Diers on site with BLM concurs. Called Brandon Powell w/ NMOCD and he gave approval with condition that no additives be used to speed up set time.

Sunray D 1 Trouble Call 3/7/14

Tuesday the crew pumped 1st plug, trying to do as planned. When they pulled out 500' the cement came up hole and planted the tubing. The tubing is stuck from 2780' to 3325'. They cut the tubing off @ 2780', leaving a 500' fish in hole. The crew went through the tubing with a gauge ring and tagged cement @ 3405'. The last tag was 6740' (plug ½ combo) prior to this pump. The drilling engineer checked with land & found out we own the lease from the PC to the DK, so the fact that there is no plug across Gallup or Mancos poses no correlative rights issues. The plan forward the team asks permission for is to not drill out the bridged cement @ 3405 but instead to set a CBP @ 2775' and continue plugging from there.

Called Steve Mason with the BLM. After reviewing the CBL he said to drill through the tubing and try to pump below it.

Called Stan Terwilliger and Brett Gremaux to advise of Steve's direction. Stan said that the 7" casing behind the 4 ½" is isolated so there is nowhere for the cuttings to go and they feel they will get stuck.

Called Steve back and discussed. He said to go through tubing to the casing nipple and pump a 50' plug then to perf PC @ 2582' and do next plug as normal w/ excess. Then remaining plugs will be perf and squeeze. Steve mentioned he had just spoke with Vic Montoya in the field and Vic said he could do this.

Called Stan & Brett back, Stan still disagreed, so we called Steve back. Stan asked Steve if they try this and it does not work if he can go forward with setting the CBP @ 2775' and then do the rest of plugs as perf/squeeze. Steve agreed.

Called Brandon Powell at OCD and relayed all the info and that we will now not be cutting off casing but perfing and squeezing from here on. Brandon gave verbal concurrence.

A-PLUS WELL SERVICE, INC.

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990' FSL and 990' FWL, Section 21, T-30-N, R-10-W

San Juan County, NM

Lease Number: SF-078204

API #30-045-09295

Plug and Abandonment Report

Notified NMOCD and BLM on 2/13/14

Plug and Abandonment Summary:

- Plug #1** with 20 sxs (23.6 cf) Class B cement inside casing from 7102' to 6831' to cover the Dakota and Graneros tops. Tag TOC at 7090'.
- Plug #1a (combined #2)** with 70 sxs (82.6 cf) Class B cement inside casing from 7087' to 6141' to cover the Dakota and Graneros tops. Tag TOC at 4807'
- Plug #2** with 40 sxs (47.2 cf) Class B cement inside casing from 6740' to 6200' displace ½ bbl of water to allow cement to fill in tubing to cover the Gallup top.
- Plug #3, #4 and #5** attempts to spot, unable to get past 2977' with open-ended tubing approved by S. Mason, BLM.
- Plug #6** with 12 sxs (14.16 cf) Class B cement inside casing from 2977' to 2676' with 4 sxs inside 2-38" fish, and 8 sxs above fish inside 4.5" casing to cover the Pictured Cliffs top. Tag TOC at 2691'.
- Plug #6a** with CR at 731' spot 29 sxs (34.22 cf) Class B cement with 15 sxs in 4.5" x 7" Intermediate 4 sxs below CR, 10 sxs above CR from 2600' to 2418' to cover the Fruitland top.
- Plug #7** with CR at 1713' spot 129 sxs (152.22 cf) Class B cement with 76 sxs out 7" x 8-3/4" hole, 30 sxs inside 4.5" x 7", 4 sxs below CR, 19 sxs above CR from 1760' to 1462' to cover the Kirtland and Ojo Alamo tops.
- Plug #8** with CR at 215' spot 152 sxs (179.36 cf) Class B cement with 22 sxs inside 4.5" casing, 120 sxs outside 4.5" casing with 10 sxs good cement circulated to pit out of bradenhead valve intermediate valve and casing valve with 100 PSI SI pressure on bradenhead and intermediate from 286' to surface to cover the Nacimiento top, Surface casing shoe and surface plug. Tag TOC at 12'.
- Plug #9** with 36 sxs Class B cement found cement down 20' in bradenhead 10' in casing and top off casing and install P&A marker.

Plugging Work Details:

2/14/14 Rode rig and equipment to location. Spot in and RU. SDFD.

2/17/14 Bump test H2S equipment. Check well pressures: bradenhead, intermediate and tubing 0 PSI, casing 80 PSI. RU DXP. DXP masked up and open well monitor and pull tube no H2S. Bleed well down. Pressure test tubing to 800 PSI, OK. Attempt to unseat. Pump work rods from 30K to 10K with no movement. Wait on orders. RU Poor Boy Hot Oil. Load 70 bbls of water. Pump 4 bbls of water down casing work rods from 35K to 8K. Unable to unseat pump. Full stroke on pump. SI well. SDFD.

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Plugging Work Details (continued):

- 2/18/14 Bump test H2S equipment. Open up well; no pressures. Attempt to unseat rod pump. From 40k to 8k. Unable to unseat. LD polish rod. PU 8' pony rod. Pull 12k and 3k over rod string weight. RU back off tool rotate to left no torque. Pull 10k over rod weight rotate to left no torque. Pull 18k over and back off rods LD 143 3/4" plain rods. ND wellhead. NU BOP and function test BOP. Back out jam nuts. PU on 2-3/8" prod string unseat 2-3/8" tubing hanger at 45k. PU on tubing to 50k tubing stuck. Seat tubing hanger. RU Antelope testing equipment. Test pipe rams at 250 PSI and 1200 PSI, OK. Calculate stretch reading from 36k to 46k, establish free point at 4000'. SI well. SDFD.
- 2/19/14 Open up well; no pressures. PU on 2-3/8" tubing and attempt to work free. Pull to 50k and set back in tubing hanger. Wait on orders. RU Cutters Wireline. RIH with 1.75 GR unable to pass 103' POH. RIH with 1-11/16" GR to 103' unable to get past 702'. POH and LD tools. PU and TIH with 113 3/4" plain rods to 2825'. LD 113 rods. RIH with wireline 1-1/2" GR tag rods at 3605'. POH with GR. RIH with 1-1/2" chemical cutter load tubing with 1-1/2 bbls of water. Cut tubing at 3565'. PU on 2-3/8" tubing and insure free pipe. TOH with 12 jnts 2-3/8" 4.7# EUE. SI well. SDFD.
- 2/20/14 Open up well; no pressures. TOH and tally total of 116 jnts cut off jnts, 2-3/8" 4.7# EUE tubing length 3567' recovered. Select Oil Tools PU 1 overshot, 1 bumper sub, 1 jars, 6 - 3-1/8" Drill Collars, 1 intensifier, 1 2-3/8" EUE x 2 -3/8" reg x-over sub. TIH with 110 jnts tubing. PU 1 8' x 2-3/8" sub. Tie back rig single line. Latch on to tubing fish. Work tubing jars at 55k. Work tubing free. TOH with 108 jnts. SI well. SDFD.
- 2/21/14 Bump test H2S equipment. Check well pressures: casing 400 PSI. DXP mask up open well to pit check for H2S 0 PPM. Blow well down. TOH with 2 jnts 2-3/8" tubing, LD 1 2-3/8" EUE x 2-3/8" reg. X-over sub, 1 intensifier, 6 3-1/8" drill collars, 1 jars, 1 bumper sub, 1 overshot with 2-3/8" fish, LD 1 jnt 2-3/8" tubing. X-over rod tools. PU 1 - 8', 4' pony rod 3/4", screw on to 3/4" rod fish torque to right. PU on rod string to 4k. Back off rods, change out fishing tool float to rod float. LD and recover 70 3/4" rods length 1750' total 5325' of rods recovered from well. X-over to tubing equipment. TOH with 14 jnts 2-3/8" tubing to fluid in tubing and tally. Wait on Slick line. RU Expert Slickline. RH with 1.90" GR tag rod fish at 1419'. POH with GR. RIH with F collar stop. Found collar at 1406'. POH with collar stop. RIH with tubing punch and punch hole at 1419'. RD slick line. TOH and tally 2-3/8" tubing 66 jnts x-over to rod tools. Back off rods LD 8 3/4" rods, 1 pump insert, barrel in tubing. TOH and tally 8 jnts, LD 1 SN, 1 - 4' perf sub, 1 2-3/8" jnt, 1 purge valve. Pump barrel stuck in bottom jnt tubing. Total rod count 178 rods total 2057' recovered. SI well. SDFD.
- 2/24/14 Bump test H2S equipment. Check well pressures: bradenhead and intermediate 0 PSI and casing 600 PSI. RU flow lines. DXP mask up and open up well to pit test 0 PPM H2S. Pump 40 bbls of water down casing to kill well. PU 1 - mule shoe collar, TIH with 233 jnts 2-3/8" 4.7# J-55 EUE tubing and tag fill at 7102'. LD 1 jnt PU 1-10' sub with EOT at 7102' with KB 1000' A-Plus workstring 60 jnts. Note: S. Mason, BLM approved procedure change. Wait on orders. Spot plug #1 with calculated TOC at 6831'. Pump 20 bbls of water down tubing. WOC. SI well. SDFD.

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Plugging Work Details (continued):

- 2/25/14 Bump test H2S equipment. Check well pressures: casing and tubing 550 PSI and intermediate and bradenhead 0 PSI. DXP mask up and open well to pit 0 PPM. Blow well down. Service rig and equipment. TIH and tag plug #1 at 7090'. Wait on orders. Spot plug #1 (combined #2) with calculated TOC at 6141'. WOC. RU pump to tubing and flush with 20 bbls of water. TIH with 4.5" string mill and round trip with 148 jnts to 4482'. TIH with 1 notched collar, 159 jnts 2-3/8" tubing tag TOC at 4807'. TOH with 159 jnts and 1 notched collar. SI well. SDFD.
- 2/26/14 Bump test H2S equipment. Open up well; no pressures. Spot in PESCO and Weatherford air package and RU. PU 1 3-7/8" blade bit, 1 x-over sub with string float. TIH to 2901'. Test Weatherford lines at 1500 PSI and unload well at 400 PSI with 5 BPH mist. Blow down well. TIH to 4668' tag. RU Power Swivel unit. Attempt to circulate with air tubing plugged pressure up to 1500 PSI. Unable to circulate due to leak. TOH with 154 jnts x-over sub LD bit. Tubing not plugged. SI well. SDFD.
- 2/27/14 Bump test H2S equipment. Check well pressures: casing 25 PSI, bradenhead and intermediate 0 PSI. Open well to flow back tank. Service rig and equipment. PU 1 3-7/8" blade bit x-over sub with string float. TIH with 96 jnt 2-3/8" tubing. RU Weatherford air to tubing. Unload well with 300 PSI, no mist. TIH to 3630'. Unload well with 800 PSI no mist. TIH to 4668'. Change out 2-3/8" stripping rubber. RU power swivel unit. PU 1 jnt unload well at 1000 PSI run mist at 8 BPH. Start drill out from 4668' to 4915' clean out for 20 minutes. Rack PS unit back. TOH to 4544'. SI well. SDFD.
- 2/28/14 Bump test H2S equipment. Check well pressures: casing 450 PSI and tubing 400 PSI. DXP mask up and open well to pit monitor gas 0 PPM H2S. Blow well down. TIH and tag at 4915' unload air with 8 BPH mist continue. Drilling from 4915' to 4973'. RIH with tubing without air to 5140' tag. Unload well with air with 8 BPH mists continue. Drilling to 5433' RIH with 5 jnts to 5580' no tag. Hang back power swivel. TIH with tubing tag at 6740' with jnt #221. TOH with 5 stands with bit at 6426'. SI well. SDFD.
- 3/3/14 Bump test H2S equipment. Check well pressures: casing 250 PSI, tubing and bradenhead 0 PSI. Attempt to unload with air. Pressure test to 1800 PSI, unable to unload. Note: S. Mason, BLM and COPC approved procedure change. TIH open-ended with 48 jnts started blowing out tubing pump 15 bbls and kill well. TIH to 2910'. RU air to tubing unload well. Pump 4 bbls of water to 4913'. RU air unload fluid from well pump 4 bbls of water to kill. TIH to 6740'. RU air to tubing attempt to unload fluid pressure to 1700 PSI unable to unload well. Bleed off air pump 5 bbls of water to kill. TOH to 4468'. SI well. SDFD.
- 3/4/14 Bump test H2S equipment. Check well pressures: casing 250 PSI and tubing 650 PSI. DXP mask up and open up well monitor H2S to 0 PPM. Blow well down. TIH to 6740'. RU liquid level tools shoot fluid level, casing fluid level at 2250' with gas column tubing level at 3050'. Note: Conoco Phillips request pump interaction as follows: pump 26 bbls of water down tubing. Spot plug #2 with calculated TOC at 6200'. Flush tubing with 13 bbls of water. Attempt to TIH with tubing. Tubing stuck at 3325'. Work tubing from 40k to 15k unable to free pipe. Pump tubing capacity down tubing, tubing clear. Pump 22 bbls pressure to 1000 PSI broke down to 0 PSI. Attempt to work pipe unable to free pipe. SI well. SDFD.

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Plugging Work Details (continued):

- 3/5/14 Bump test H2S equipment. Open up well; no pressures. RU Cutters wireline. RIH with GR. POH with GR. RIH with free point tool. Free pipe at 2775 100% at 2779', 95-100%. POH with wireline tool. RIH with 1 chemical cutter 2-3/8" load tubing with 2 bbls with water cut 2-3/8" tubing at 2780'. Tubing free, POH. TOH and tally 91 jnts 2-3/8" tubing 1 cutoff jnt total 2776'. PU 1 3 -3/4" overshot with 2-3/8" grapple, 1 bumper sub, 1 jars 3-1/8" 6 3-1/8" drill collars. 1 intensifier, 1 2-3/8" EUE x 2-3/8" reg x-over sub. TIH with 85 jnts 2-3/8" tubing. Latch onto 2-3/8" fish. Jar on fish, no movement. SI well. SDFD.
- 3/6/14 Bump test H2S equipment. Open up well; no pressures. Jar on fish no movement. TOH with 85 jnts tubing stand back drill collars. PU overshot TIH with tubing and latch onto fish at 2781'. RU Blue Jet wireline. RIH with GR to 3352'. POH. RIH with 2-3/8" CBL tool log well from 3250' to 2700' with cement from 3250' to TOC at 2810'. Release overshot TOH with tubing and LD overshot. Load well with 10 bbls of water. SI blind rams test casing at 1100 PSI with 110 PSI drop P/M. RU Blue Jet wireline. Run 4.5" CBL from 2770 to surface. No cement top. SI well. SDFD.
- 3/7/14 Bump test H2S equipment. Open up well; no pressures. PU 1 overshot. TIH with 91 jnts 2-3/8" tubing, 3-8' x 2-3/8" subs latch onto 2-3/8" fish. Pull 8K over string weight. RU Expert Slick line. RIH with 1.65 GR and tag TOC below 2-3/8" fish inside 4.5" casing at 3405'. POH with GR. RD slick line. Release overshot from fish LD 3-8' x 2-3/8" subs TOH with 91 jnts LD overshot. Wait on orders. Note: S. Mason, BLM suggested to TIH with 1-1/4" IJ to SN at 6260' and spot plug to 50' above fish. Approved by B. Powell, NMOCD. TIH with 6 drill collars and LD DC. SI well. SDFD.
- 3/10/14 Bump test H2S equipment. Open up well; no pressures. Spot in 1-1/4" work string. PU 17 jnts 1-1/4" IJ tubing. Attempt to TOH to spot plugs #3, #4 and #5 unable to get pass 2977' with open-ended tubing. Note: S. Mason, BLM approved to spot plug from 2977'. Circulate well clean. Spot plug #6 with calculated TOC at 2676'. Reverse circulate. RU A-Plus wireline. RIH with 3.85 GR and tag plug #6 at 2691'. Perforate 3 HSC squeeze holes at 2600'. Pump 13 bbls of water down casing. SI in blind rams establish rate of 3 bpm at 400 PSI. Bleed off pressure. TIH with 4-1/2" DHS CR. TIH and re-tally 2-3/8" 4.7# J-55 EUE tubing 24 jnts set CR at 731'. SI well. SDFD.
- 3/11/14 Bump test H2S equipment. Open up well; no pressures. TIH and tally 2-3/8", 4.7# EUE tubing with 83 jnts in CR at 2550'. Establish circulation. SI casing valve and circulate. Open casing valve. Set 4.5" DHS CR at 2550'. Sting out of CR. Pressure test casing to 800 PSI with 0 PSI bleed off. Establish circulation. Spot plug #6a with calculated TOC at 2418'. Perforate 3 HSC squeeze holes at 1760'. Establish circulation. Establish rate outside 7" casing at 1.5 bpm at 700 PSI. Bleed off pressure. TIH with 4.5" DHS CR and set at 1713'. Spot plug #7 with calculated TOC at 1462'. Perforate 3 HSC squeeze holes at 286'. Circulate well clean. TIH with 4.5" DHS CR and set at 215'. Spot plug #8 with TOC at surface. SI well. SDFD.

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Plugging Work Details (continued):

3/12/14 Open up well; no pressures. RD power swivel. ND BOP. Dig out wellhead. Fill out Hot Work Permit. Monitor well for H₂S. Cut off wellhead. Found cement down 20' in bradenhead 10' in casing and top off casing. Spot plug #9 to top off casing and install P&A marker and install P&A marker. RD and MOL.

Vic Montoya, MVCI representative, was on location.

Bill Diers, BLM representative, was on location.