

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED**JUL 13 2011**

Sundry Notices and Reports on Wells

Farmington Field Office
Bureau of Land Management

1. Type of Well
GAS

2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

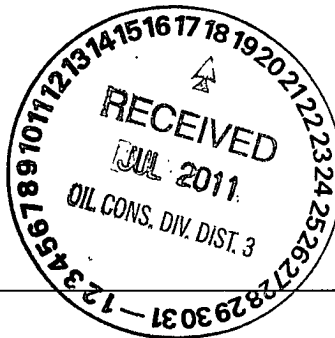
3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit L (NWSW), 1650' FSL & 990' FWL, Section 9, T30N, R10W, NMPM

5. Lease Number
SF-077730
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Sunray E 2
9. API Well No.
30-045-09662
10. Field and Pool
Aztec PC / Blanco MV
11. County and State
Rio Arriba, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission

Type of Action

☐ Notice of Intent

☒ X

Abandonment

☐ Change of Plans

☐ Other -

☒ X Subsequent Report

☐

Recompletion

☐ New Construction

☐ Final Abandonment

☐

Plugging

☐ Non-Routine Fracturing

Casing Repair

☐ Water Shut off

Altering Casing

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

6/14/11 Notified BLM (Stephen Mason) & OCD (Charlie Perrin) that had fish for 3 days & TOF @ 3423'. Requested permission to set pkr above fish, establish rate and set cmt retainer & fill hole up below pkr. Verbal approval received 6/14/11.

6/16/11 Notified BLM (Stephen Mason) & OCD (Charlie Perrin) of request to change PC Plug #5 on procedure to set cmt retainer @ 2872' and set plug from 2872' - 2721' w/ 34sx cmt. Verbal approval received.

6/20/11 Notified BLM (Stephen Mason) & OCD (Charlie Perrin) of Surface plug issues. Perf @ 283' & pumped into it @ 2bbls/min @ 1200# with no returns to surface. Pumped down BH @ 3bbls/min @ 200# w/ no returns. Requested permission to set inside plug @ 333'. Perf @ 225' & set plug inside & outside. Verbal approval received.

6/21/11 Notified BLM (Stephen Mason) & OCD (Charlie Perrin) BH had 1/4" water flow. Requested permission to Perf @ 175' and pump cmt to surface. Shut-in to sqz perf holes @ 225'. Dump 20-30sx & WOC. Verbal approval received.

The subject well was P&A'd on 6/22/11 per the above approvals and attached report.

14. I hereby certify that the foregoing is true and correct.

Signed Crystal Tafoya Crystal Tafoya

Title: Staff Regulatory Technician

Date 7/13/11

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Title 18 U S C Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

ACCEPTED FOR RECORD

Date

JUL 14 2011**FARMINGTON FIELD OFFICE**

NMCCD Ar

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 * fax: 505-325-1211

Burlington Resources Oil & Gas Company LP

Sunray E #2

June 23, 2011

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1650' FSL & 990' FWL, Section 9, T-30-N, R-10-W

San Juan County, NM

Lease Number: SF-077730

API #30-045-09662

Plug and Abandonment Report

Notified NMOCD and BLM on 6/7/11

Plug and Abandonment Summary:

- 6/07/11 MOL and RU. Check well pressure: casing, 10 PSI; tubing and bradenhead, 1 PSI. Lay relief lines. Blow well down. ND wellhead. NU BOP, test. PU on tubing and remove donut. SI well. SDFD.
- 6/08/11 Open up well, no pressure. TOH with 6 stands and find slim hole collars. TOH and tally 89 joints 2.375" EUE 4.7# tubing, 20' piece is parted at 2819'. Body break. Found 3 joints with holes in them and 12 joints with bad collars and corrosion. TIH with tubing to 2800'. LD tubing. Tally tubing and fishing tools. PUH with tubing to 1507'. SI well. SDFD.
- 6/09/11 Open up well, no pressure. Tally and TIH with 2.375" EUE tubing and overshot, tag fish at 2970'. Work overshot down to 3060'. Work overshot. PU, no weight gain. TOH with tubing and overshot and 2-1/2 joints of fish. Body break tubing spot was like swiss cheese. TOH with tubing and overshot and tag fish at 3073'. Work overshot on fish. PU, no weight gain. TOH with tubing and overshot, no fish. TIH with tubing and overshot and tag fish at 3073'. Work overshot on fish. PU, no weight gain. TOH with tubing and overshot, no fish. TIH with tubing and 4-11/16" kilo socket and get on fish at 3073'. PU on tubing, pulling 30,000#. Fish is stuck on bottom. Work tubing from 20,000# to 30,000#, fish parted. Showing 1,000# over string weight. TOH with tubing and kilo socket. Dragging bad for 9 joints. LD 11 joints of fish. Total fish recovered: 103 joints and 15' piece. Total tally: 3253'. Note: 1/2 of collar looking up. SI well. SDFD.
- 6/13/11 Open up well, no pressure. No tubing in well. Unlock rams. Tally and make up BHA (jars, bumper sub and kilo socket). TIH with tubing, jars, 4-11/16" kilo socket, tag fish at 3335'. Work kilo socket over fish. PU, no weight. Attempt 3 times, same results. TOH with tubing and BHA, no fish. TIH with tubing and BHA, tag fish at 3335'. Work kilo socket over fish. PU, pulling 10,000# over string weight, slipped to 1,000# over string weight. TOH with tubing and 10' piece of fish. Break kilo socket down and remove fish. TIH with tubing and BHA, tag fish at 3345'. Work kilo socket on fish. PU, could not pull over string weight. TOH with tubing and BHA; no fish. TIH with tubing and tag fish at 3345'. Work kilo socket over fish. PU, pulling 8,000# over string weight, slipped to 1,000# over string weight. TOH with tubing and BHA and 19' piece of fish. Total fish recovered: 104 joints and 19' piece. Fishing for body break. SI well. SDFD.
- 6/14/11 Open up well, no pressure. No tubing in well. Unlock rams. TIH with tubing and BHA, tag fish at 3364'. Work kilo socket over fish. PU, no weight gain. Unable to get on fish again. TOH with tubing and BHA and 59' of fish. Body break. LD fish. TIH with tubing and BHA and tag fish at 3423'. Work kilo socket over fish. PU, no weight gain.

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Sunray E #2

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Plugging Summary – Continued:

Could not get back on fish. TOH with tubing and BHA, no fish. TIH with tubing and BHA, tag fish at 3423'. Work kilo socket over fish. TOH with tubing and BHA, no fish. Total tubing recovered: 106 joints and 19' piece. Total tally: 3348'. Break down and load out fishing tools. TIH with tubing and 5.5" Knight Oil packer and set at 3416'. Load the tubing with 7-1/2 bbls water. Establish rate below packer at 2-1/2 bpm at 500 PSI. Pump 30 bbls of water below the packer. Release packer. TOH with tubing and LD packer. SI well. SDFD.

6/15/11 Open up well, no pressure. TIH with 5.5" DHS cement retainer and set at 3416'. Sting out of cement retainer. Load the hole with 64 bbls of water and establish circulation out the casing. Wait 15 minutes. Load the hole with 9 bbls of water and circulate out the casing. Fluid level dropped 190' in 15 minutes. Procedure change approved by BLM and NMOCD on 6/14/11. **Plug #1** with cement retainer at 3416', mix and pump 420 sxs Class B cement (495.6 cf), squeeze 410 sxs below cement retainer to isolate the Point Lookout interval and cover the Mesaverde and Chacra tops, and leave 10 sxs inside casing above cement retainer up to 3328'.

TOH with tubing and LD setting tool. Larry Pixley, BLM representative, approved procedure change (required tag of Plug #1). RIH with wireline and tag cement at 3262'. Perforate 3 holes at 3256'. TIH with 5.5" DHS cement retainer and set at 3221'. Sting out of cement retainer. Load the hole with 30 bbls of water. Sting into cement retainer. Establish rate into squeeze holes 1 bpm at 1000 PSI.

Plug #2 with cement retainer at 3221', mix and pump 45 sxs Class B cement (53.1 cf), squeeze 15 sxs outside and leave 30 sxs inside casing above cement retainer up to 3060' to cover the 7.625" casing shoe and liner tops.

TOH and LD tubing. SI well. SDFD.

6/16/11 Open up well; no pressures. No tubing in well. Round trip 6.675" gauge ring to 2960'. TIH with 7.625" PlugWell cement retainer, unable to go past 2872'. Work retainer, unable to get deeper. PUH to 2700'. Wait on orders. Steve Mason, BLM representative, and Charlie Perrin, NMOCD representative, approved procedure change (cement retainer at 2872'). TIH with 7.625" PlugWell wireline set cement retainer and set at 2872'. TIH with tubing and tag retainer at 2872'. Load the hole with 7 bbls of water.

Plug #3 with CR at 2872', mix 34 sxs Class B cement (40.1 cf) inside casing above cement retainer up to 2721' to isolate the Pictured Cliffs interval.

TOH with tubing. SI well. SDFD.

6/20/11 Open up well, no pressure. TIH with tubing and tag cement at 2747'. PUH to 2641'. Load the hole with 3-1/2 bbls of water. Pressure test casing to 900 PSI, held OK for 10 minutes. **Plug #4** spot 38 sxs Class B cement (44.8 cf), inside casing from 2641' up to 2472' to cover the Fruitland top.

PUH to 1824'. Load the hole with 3 bbls of water.

Plug #5 spot 66 sxs Class B cement (77.9 cf), inside casing from 1824' to 1530' to cover the Kirtland and Ojo Alamo tops.

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Plugging Summary – Continued:

- 6/20/11 TOH and LD all tubing. Perforate 3 holes at 283'. Load the hole with 4-1/2 bbls of water. Load the casing with 40 bbls of water and establish rate 2 bpm at 1000 PSI with small blow out bradenhead. Load the bradenhead with 30 bbls of water and establish rate 3 bpm at 200 PSI with small blow out the casing. Unable to circulate. Wait on orders. Charlie Perrin, NMOCD representative and Jim Lovato, BLM representative, approved procedure change. TIH to 340'. Load the hole with 1/8 bbl of water.
Plug #6 mix and pump 91 sxs Class B cement (107.3 cf) with 2% CaCl₂ from 340' to surface, circulate good cement out the casing valve.
TOH and LD all tubing. Displace cement to 230'. WOC. Pressure test casing to 700 PSI, held OK for 5 minutes. RIH with wireline and tag cement at 251'. Perforate 3 holes at 225'. Hole standing full. Pump 20 bbls of water down casing 2 bpm at 1100 PSI with no blow out bradenhead. Load the bradenhead with 20 bbls of water and establish rate 2-1/2 bpm at 400 PSI. No blow out the casing. SI well. SDFD.
- 6/21/11 Open up well, no pressure. Bradenhead has 1/4" water flow. No tubing in well. Wait on orders. Charlie Perrin, NMOCD representative, approved procedure change to pump cement into perforations at 225'. Load the casing with 20 bbls of water and establish rate 1-1/2 bpm at 500 PSI. Bradenhead still flowing 1/4" water. TIH with 7.625" PlugWell cement retainer and set at 200'. TIH with tubing and tag cement retainer at 200'. Load the casing with 7-1/2 bbls of water. Sting into cement retainer at 200'. Establish rate into squeeze holes 1-1/2 bpm at 500 PSI.
Plug #6a with cement retainer at 200, mix and pump 36 sxs Class B cement (42.3 cf) with 2% CaCl₂ below the cement retainer and outside casing. Sting out of cement retainer.
TOH and LD all tubing. Perforate 3 holes at 180'. Establish circulation out the bradenhead with 3 bbls of water.
Plug #6b mix and pump 89 sxs Class B cement (105 cf) down the 7.625" casing from 180' to surface, circulate good cement out the bradenhead, then close bradenhead valve, mix and squeeze additional 8 sxs cement (9.44 cf) and SI well with 1500 PSI. Pump total 97 sxs Class B cement (114.44 cf). SI well and WOC. SDFD.
- 6/22/11 Check well pressure: casing, 20 PSI; bradenhead, 0 PSI. Clean cement out of BOP. Found cement at surface below blind rams. ND BOP. Dig out wellhead. Issue Hot Work Permit. Monitor well. Cut off wellhead.
Plug #8 mix and pump 19 sxs Class B cement (22.42 cf), top off casing and annulus then install P&A marker. Had to chip cement out annulus.
RD rig. Cut off anchors. Remove LO/TO equipment. MOL.
- Jimmy Morris, MVCI representative, was on location.
Larry Pixley, BLM representative, was on location.
Kody Martin, COP representative, was on location 6/14/11.