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Farmington Field Office
Bureau of Land Management

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No. **SF-078487-C**

6. If Indian, Allottee or Tribe Name

**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.***

***SUBMIT IN TRIPLICATE*** *- Other instructions on page 2.*

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

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

8. Well Name and No. **Sunray 8M**

2. Name of Operator **Burlington Resources Oil & Gas Company LP**

9. API Well No. **30-045-29893**

3a. Address **PO Box 4289, Farmington, NM 87499**

3b. Phone No. (include area code) **(505) 326-9700**

10. Field and Pool or Exploratory Area **Blanco MV / Basin DK**

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
**Surface Unit P (SESE), 1005' FSL & 1110' FEL, Sec. 5, T29N, R8W**

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 | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Subsequent Report | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other **Commingle** |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Final Abandonment Notice | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

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.)

**Burlington Resources requests permission to remove the packer and commingle the subject well according to the attached procedure and current wellbore schematic. A C-103 will be submitted in order to commingle the well.**

OIL CONS. DIV DIST. 3

SEP 09 2016

**BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS**

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

**Dollie L. Busse** Title **Regulatory Technician**

Signature Dollie L Busse Date 9/1/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by William Tambekou Title Petroleum Engineer Date 9/7/2016

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.

Office FFO

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.

(Instruction on page 2)

NMOCD

# ConocoPhillips
## SUNRAY 8M
### WO - Commingles

**Lat 36° 44' 57.696" N** **Long 107° 41' 31.812" W**

**PROCEDURE**

**Before RU, run slickline to check for and remove any downhole equipment. If an obstruction is found and cannot be recovered, set a locking 3-slip-stop above the obstruction in the tubing.**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView. **If there is pressure on the BH, contact Wells Engineer.**

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well down casing (MV) and long string (DK) with 2% KCl water as necessary. Ensure well is dead or on vacuum.

4. ND wellhead and NU BOPE with annular or single pipe ram for 1-1/2" tubing, offset spool, and double rams set up for 2-3/8" tubing. Pressure and function test BOP to 250 psi low and 1,000 psi over SICP high to a maximum of 2,000 psi held and charted for 10 minutes per COP Well Control Manual. PU and remove split hanger or seal sleeve on short string (MV).

5. TOOH and LD 1-1/2" IJ short string per pertinent data sheet. Note any bad joints and record findings in WellView. **Make note of corrosion, scale, or paraffin and save a sample to give to CIC/engineering for further analysis.**

6. Ensure barriers are holding. ND annular, remove offset spool and NU annular on double preventer. Function test BOP. PU and remove tubing hanger.

7. TOOH and LD 1-1/2" EUE long string per pertinent data sheet. Note any bad joints and record findings in WellView. **Make note of corrosion, scale, or paraffin and save a sample to give to CIC/engineering for further analysis.**

8. PU packer plucker and six 3-1/8" drill collars on 2-3/8" tubing and RIH to Model D packer at 5825'. Sting into and mill packer. TOOH and LD drill collars, packer plucker, and packer.

9. PU 4-3/4" string mill and bit and CO to PBTD at 7,712' using the air package. TOOH. LD mill and bit. If unable to CO to PBTD, contact Wells Engineer to inform how much fill was left and confirm/adjust landing depth.

10. TIH with tubing using Tubing Drift Procedure (detail below).

| | |
|---|---|
| **Tubing Wt./Grade:** | 4.7#, J-55 |
| **Tubing Drift ID:** | 1.901" |
| **Land Tubing At:** | 7,600' |
| **KB:** | 15' |

**Tubing and BHA Description**

| | |
|---|---|
| 1 | 2-3/8" Expendable Check |
| 1 | 2-3/8" (1.78" ID) F-Nipple |
| 1 | 2-3/8" Tubing Joint |
| 1 | 2-3/8" Pup Joint (2' or 4') |
| +/- 240 | 2-3/8" Tubing Joints |
| As Needed | 2-3/8" Pup Joints |
| 1 | 2-3/8" Tubing Joint |

11. Ensure barriers are holding. ND BOPE, NU wellhead with B-2 adapter, and seal sleeve. Pressure test tubing slowly with an air package as follows: pump 3 bbl. pad, drop steel ball, pressure tubing up to 500 psi, and bypass air. Monitor pressure for 15 min., then complete the operation by pumping off the expendable check. Note in WellView the pressure in which the check pumped off. Purge air as necessary.

12. Notify the MSO, Specialist, and Wells Engineer that the well is ready to be turned over to Production Operations. RDMO.

# Tubing Drift Procedure

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wire line plug.

2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of the drift diameter of the tubing to be drifted, and will be at least 15" long. The tool will not weigh more than 10# and will have an ID bore the length of the tool, so fluids may be pumped through the tool if it becomes stuck.

3. Drop the tool into the tubing string and retrieve it after every 2 joints of tubing ran in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.

NOTE: All equipment must be kept clean and free of debris. The drift tool will be measured with calipers before each job, to ensure the OD is the correct size for the tubing being checked. The maximum allowable wear of the tool is 0.003".

ConocoPhillips

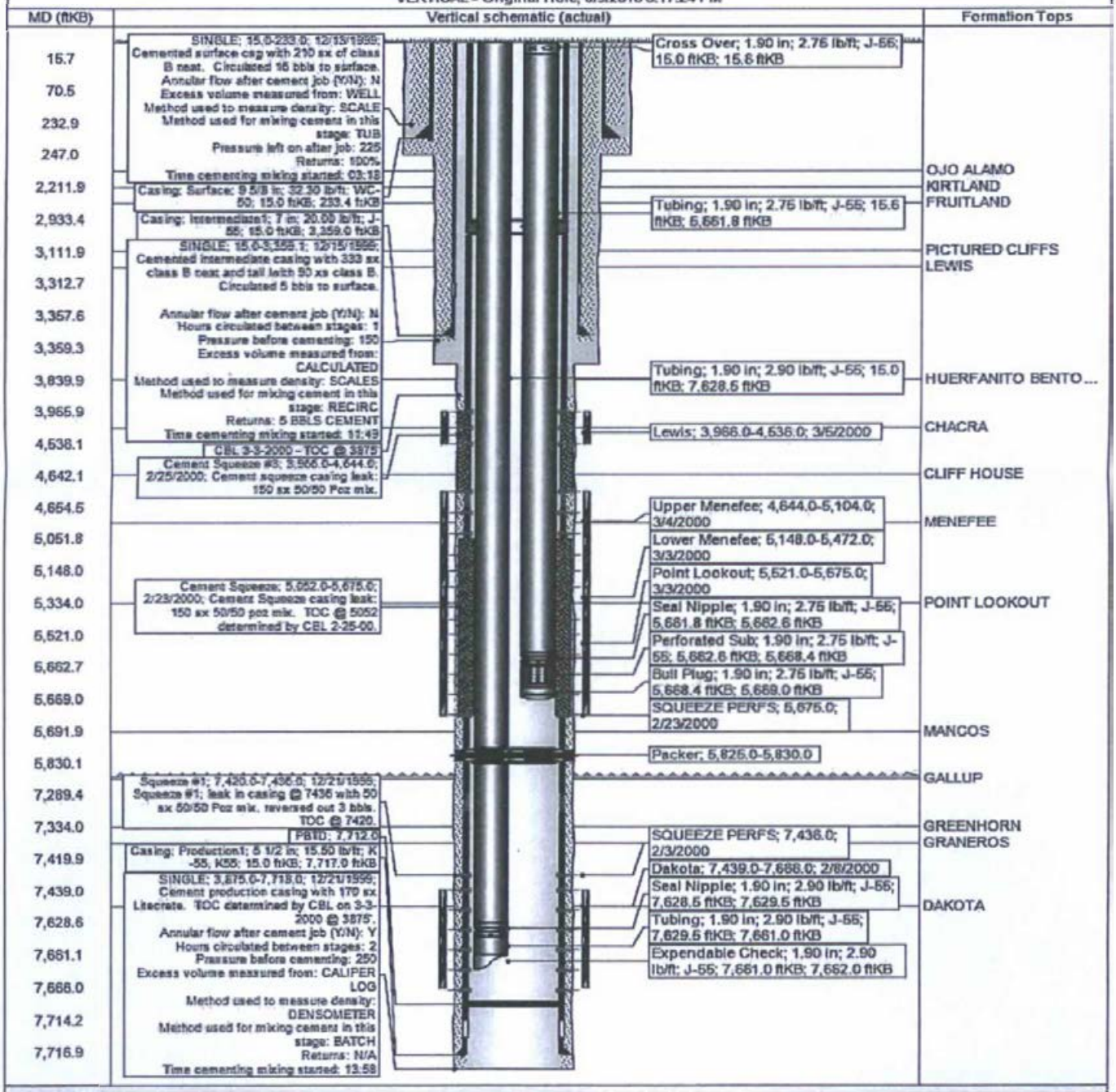
# Schematic - Current

## SUNRAY #8M

| District | Field Name | API / UWI | County | State/Province |
|---|---|---|---|---|
| SOUTH | BASIN DAKOTA (PRORATED GAS) | 3004529893 | SAN JUAN | NEW MEXICO |

| Original Spud Date | Surface Legal Location | East/West Distance (ft) | East/West Reference | North/South Distance (ft) | North/South Reference |
|---|---|---|---|---|---|
| 12/12/1999 | 006-029N-008W-P | 1,110.00 | FEL | 1,005.00 | FSL |

VERTICAL - Original Hole, 8/9/2016 3:17:24 PM






Report Printed: 8/9/2016

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

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

Form C-103
Jun 19, 2008

WELL API NO. **30-045-29893**

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No. **Federal Lease #SF-078487-C**

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.)

7. Lease Name or Unit Agreement Name **Sunray**

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

8. Well Number **8M**

2. Name of Operator **Burlington Resources Oil Gas Company LP**

9. OGRID Number **14538**

3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289

10. Pool name or Wildcat **Blanco MV / Basin DK**

4. Well Location
Unit Letter **P** : **1005** feet from the **South** line and **1110** feet from the **East** line
Section **5** Township **29N** Range **8W** NMPM **San Juan** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6450' GR

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | P AND A | ☐ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| DOWNHOLE COMMINGLE | ☒ | | | | | | |
| OTHER: | ☐ | | | 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.

It is intended to remove the packer on the dual well and commingle production from the Blanco Mesaverde (pool 72319) and the Basin Dakota (pool 71599). The production will be commingled according to Oil Conservation Division Order Number 11363. Allocation and methodology will be provided after the well is completed. Commingling will not reduce the value of the production. The Bureau of Land Management has been notified in writing of this application.

Proposed perforations are: MV - 3966' - 5675'; DK - 7439' - 7666' **These perforations are in TVD.**

Interest is common, no notification is necessary.

**BR will use some form of the subtraction method to establish an allocation for commingled wells.**

Spud Date: Rig Released Date:

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

SIGNATURE Dollie L Busse TITLE Regulatory Technician DATE 9/1/2016

Type or print name Dollie L. Busse E-mail address: dollie.l.busse@cop.com PHONE: 505.324.6104

**For State Use Only**

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

dw