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

JAN 16 2014

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.*

5. Lease Serial No.: **SF-078144**

6. If Indian, Allottee or Tribe Name:

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

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: **HAMPTON 4M**

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

9. API Well No.: **30-045-25810**

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 N (SESW), 970' FSL & 1680' FWL, Sec. 13, T30N, R11W**

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			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report BP	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other P&A of Monitoring Well -7
[ ] Final Abandonment Notice	[ ] Change Plans	[X] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] 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 intends to Plug and Abandon the Monitoring Well drilled in 1998. Please see the attached approved well plugging plan from the NMOSE and map of location of MW-7.

RCVD JAN 23 '14
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*: **DENISE JOURNEY** Title: **Regulatory Technician**

Signature: Denise Journey Date: **1/15/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: Original Signed: Stephen Mason Title: Date: JAN 22 2014

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:

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

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
AZTEC

Scott A. Verhines, P.E.
State Engineer

100 Gossett Drive, Suite A
Aztec, New Mexico 87410

January 13, 2014

Sent via Electronic Mail

ConocoPhillips Company
Attn: Terry Lauck
315 Johnstone Avenue, 1380G Plaza Office Bldg.
Bartlesville, OK 74004

RE: Well Plugging Plan of Operations for monitoring well MW-7 at ConocoPhillips Hampton #4M well site; south of Hampton Canyon Road and NM Hwy. 173, San Juan County, NM

Greetings:

After review of the Well Plugging Plan of Operations received on January 13, 2014, the OSE is returning this approval with Specific Plugging Conditions (attached). Please pay special attention to Specific Plugging Condition number 3, which requires the hydration of the bentonite (if used), with the correct amount of water, before mixing into the cement slurry. Minor annotations have been made on the plugging plan forms submitted.

Please submit a completed Well Plugging Report (OSE Form WD-11), along with a copy of the approved plugging conditions, describing the actual abandonment process and itemized materials used to the address referenced in the attached approval conditions within 20 days after completion of well plugging.

Should you have any further questions or concerns regarding this correspondence, feel free to contact me at 505-334-4571.

Sincerely,

Blaine A. Watson

Blaine A. Watson, P.G.
District V Manager

Enclosures

cc: Aztec Reading (cover only)
Aztec File
WATERS
Conestoga-Rovers & Associates, Attn: Jeffrey Walker, via e-mail

WELL PLUGGING PLAN OF OPERATIONS

2014 JAN 13 AM 10:51

STATE ENGINEER OFFICE
AZTEC, NEW MEXICO

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: MW-7

Name of well owner: ConocoPhillips Company

Mailing address: 315 Johnstone Ave, 1380G Plaza Office Bldg

City: Bartlesville State: OK Zip code:74004

Phone number: 918-661-0935 E-mail: Terry.S.Lauck@conocophillips.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: National EWP

New Mexico Well Driller License No.: WD 1210 Expiration Date: 12/31/2014

IV. WELL INFORMATION:

RCVD JAN 23'14
OIL CONS. DIV.
DIST. 3

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 36 deg, 48 min, 34.04 sec
Longitude: 107 deg, 56 min, 47.44 sec, NAD 83

2) Reason(s) for plugging well: Surface completion damaged by heavy rains. No longer viable as groundwater monitoring well

3) Was well used for any type of monitoring program? Y If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: see VII bellow feet below land surface / feet above land surface (circle one)

6) Depth of the well: 21 feet

7) Inside diameter of innermost casing: 2 inches.

8) Casing material: Sch. 40 PVC

9) The well was constructed with:

_____ an open-hole production interval, state the open interval: _____

x a well screen or perforated pipe, state the screened interval(s): 10-20 ft.

10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A

11) Was the well built with surface casing? N/A_____ If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe: _____

12) Has all pumping equipment and associated piping been removed from the well? N/A_____ If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

2014 JAN 13 AM 10: 51
STATE ENGINEER OFFICE
AZTEC, NEW MEXICO

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: Cement/bentonite grout placed by tremmie pipe from bottom of well (TD) to top

2) Will well head be cut-off below land surface after plugging? Y

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B. - BW

3) Theoretical volume of grout required to plug the well to land surface: no less than 3.36 gallons

4) Type of Cement proposed: Type I or Type II Portland with 3% to 5% bentonite

5) Proposed cement grout mix: ~~7~~ 6.0 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be:_____ batch-mixed and delivered to the site
X mixed on site

Don't exceed 6 gallons H_2O for mixing cement (excludes water to separately hydrate bentonite). -BW

7) Grout additives requested, and percent by dry weight relative to cement: 3% to 5% bentonite (powder) hydrate separately from cement; use 0.65 gallons per 1% additive when mixing in cement prepped from 94-lb. sacks. - BW

8) Additional notes and calculations: _____

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

Well was part of a network of monitoring wells monitoring groundwater elevations (depth to water) and groundwater quality as a result of a release of petroleum hydrocarbons. Well was installed hydraulically down-gradient of the release site in 1998, this well has been non-detect for hydrocarbons since 2009 and dry since October 2011.

2014 JAN 13 AM 10: 51
STATE ENGINEER OFFICE
AZTEC, NEW MEXICO

VIII. SIGNATURE:

I, Mark Green, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant — Date: 1-10-14

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

__X__ Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 13th day of January, 2014

Scott A. Verhines, State Engineer

By: Blaine A. Watson

Blaine A. Watson, P.G.
District V Manager
Water Rights Division

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			1
Bottom of proposed interval of grout placement (ft bgl)			21
Theoretical volume of grout required per interval (gallons)			~~3.5~~ no less than 3.36 gal -BW
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			~~7.4~~ 6.0, see note @ #5, 0.2 -BW
Mixed on-site or batch-mixed and delivered?			On-site
Grout additive 1 requested			Bentonite must use powder, not chips -BW
Additive 1 percent by dry weight relative to cement			3-5, hydrate separate from cement. -BW
Grout additive 2 requested			None
Additive 2 percent by dry weight relative to cement			N/A

STATE ENGINEER OFFICE
AZTEC, NEW MEXICO
2014 JAN 13 AM 10: 51

Interstate Stream Commission
A Century of Service to New Mexico

DISTRICT 5

Scott A. Verhines, P.E.

NEW MEXICO STATE ENGINEER

Jeff Walker of Conestoga-Rovers & Associates (consultant for ConocoPhillips Company; COP) has identified one existing non-permitted monitoring well (MW-7; OSE File to be assigned), as tabulated below, to be plugged in accordance with OSE requirements for a petroleum release investigation in which the well had been used to contaminant migration but has become damaged and won't be repaired or replaced. The well will be associated with a new permit being established to properly document and permit other wells that will remain in service at the location. National EWP will perform the plugging under well driller license #WD-1210. Depth to water is unknown because the well has gone dry. The total depth of the well is reported to be approximately 21 feet below land surface with a 2-inch diameter, Schedule 40 PVC casing and screen.

Location: COP Hampton #4M Petroleum Release Investigation Site, south of Hampton Canyon Road and NM Hwy 173, in rural San Juan County, New Mexico.
Approximate coordinates: See tabulated data below.

Well Name	OSE File #	Inside Diameter (inches)	Depth to Water (feet)	Total Depth (feet)	Latitude North	Longitude West
MW-7	N/A	2" (Schd. 40 PVC)	>21 (estimated)	21	36.89045	107.94561

Specific Plugging Conditions of Approval:

1. Water well drilling and other well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. Theoretical volume of sealant required for abandonment of 2-inch well casing is estimated to be approximately 0.16 gallons per linear foot of casing. The plugging plan of operations listed approximately 21 feet as the total footage in one 2-inch diameter casing. For a total depth of 21 feet in 2-inch casing, the required plugging volume should not be less than 3.36 gallons. Total minimum volume of sealant required shall be calculated upon sounding the actual pluggable depth of the boreholes/wells and multiplying by the correct volume factor for the casing diameter.

3. The Well Plugging Plans of Operation submitted request the use of Type I/II Portland cement. Portland cement has a fundamental water demand of 5.2 gallons water per 94-lb. sack of cement, and the mix rate proposed in the plan is approximately 7.4 gallons per 94-lb. sack of cement. The mix rate should not exceed 6 gallons per 94-lb sack (water used for separate bentonite hydration is excluded in this) for cement mixing, as this is the upper limit allowed by OSE for pumpability concerns.

   Pure bentonite powder ("90 barrel yield") is allowed as a cement additive under NMOSE / AWWA guidelines, and neither granular bentonite nor extended-yield bentonite shall be mixed with cement for the purpose of this plugging. When supplementing a cement slurry with bentonite powder, water demand for the mix increases at a rate of approximately 0.65 gallons of water for each 1% increment of bentonite bdwc (by dry weight cement) above the stated base water demand of 5.2 gallons water per 94-

lb. sack of cement for neat cement. The proposed plan does not reference the rate of water use per 1% bentonite additive, but it provides a bentonite additive rate of 3-%. The use of bentonite additive at a 3% rate will require approximately 1.95 gallons of water to separately hydrate the bentonite powder, before the bentonite slurry is added into the proposed cement mix described by applicant (6 gallons per 94-lb. sack). A bentonite additive rate of 5% would require approximately 3.25 gallons of water for separately hydrating the bentonite.

As noted above, the bentonite must be hydrated separately with its required increment of water before being mixed into the wet neat cement. If water is otherwise added to the combination of dry ingredients or the dry bentonite is blended into wet cement, the alkalinity of the cement will restrict the yield of the bentonite powder, resulting in excess free water in the slurry and excessive cement shrinkage upon curing.

4. Placement of the sealant within the boreholes shall be by pumping through a tremie pipe extended to near the bottom of the borehole, and kept below top of the slurry column as the borehole is plugged from bottom-upwards in a manner that displaces the standing water column.

5. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

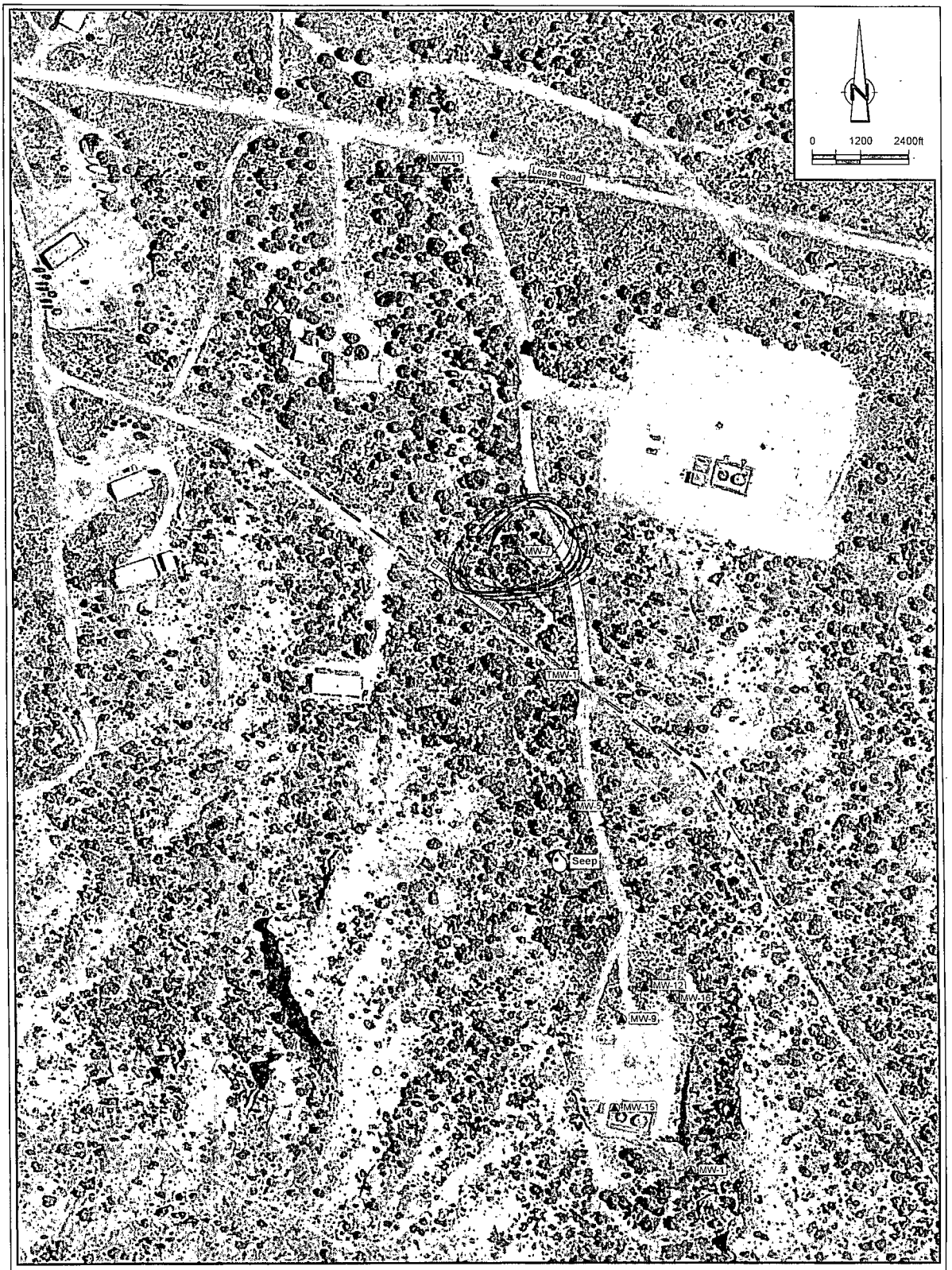
6. Witnessing of the plugging work by NMOSE will not be required, but shall be facilitated if a NMOSE observer is onsite. NMOSE witnessing may be requested during normal work hours by calling the District 5 NMOSE Office at 505-334-4571, at least 48-hours in advance. NMOSE inspection will occur dependent on personnel availability.

7. Well Plugging Record(s) (available at: http://www.ose.state.nm.us/PDF/WellDrillers/WD-11.pdf) itemizing the actual abandonment process and materials used shall be filed with the State Engineer (NMOSE, 100 Gossett, Suite A, Aztec, NM 87410), within 20 days after completion of well plugging. Please reference the OSE File number on the submittal.

The NMOSE Well Plugging Plan of Operations notice(s) dated January 10, 2014, with any OSE annotations, are hereby approved with the aforesaid conditions applied, when signed by an authorized designee of the State Engineer.

Blaine Watson Date: 1/13/14

Blaine Watson, P.G.
District V Manager, Water Rights Division



LAT/LONG: 36.8089° NORTH, 107.9463° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO WEST

LEGEND

- Monitor Well Location
- Seep
- El Paso Gas Pipeline

Figure 2

SITE MAP
HAMPTON No. 4M SITE
SECTION 13, T30N-R11W, SAN JUAN COUNTY, NEW MEXICO
ConocoPhillips Company

074927-95(003)GN-DL001 NOV 01/2012