

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.
NMNM86025

6. If Indian, Allottee or Tribe Name

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.
Birdie Federal #7

2. Name of Operator
Apache Corporation

9. API Well No.
30-015-37162

3a. Address
303 Veterans Airpark Lane, Suite 3000, Midland, TX 79705

3b. Phone No. (include area code)
432-818-1000

10. Field and Pool or Exploratory Area
Loco Hills;Glorieta-Yeso

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1750' FNL & 2310' FEL, Sec 17, T17S, R30E

11. Country or Parish, State
Eddy CO., NM

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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Bradenhead Sqz
	☐ Change Plans	☐ 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 recompletes 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.)

Apache Corporation requests approval to squeeze cement the 8-5/8" x 5-1/2" annulus from surface per the following procedure. The production casing was was ran and set on 1/31/2011 however cement was not circulated to surface. The top of cement was determined to be at 706' by a CBL ran on 2/7/2011. The pump in rate and pressure test on the annulus was 3 BPM at 350 psi.

- 1) Check 5-1/2" csg and load w/ FW if necessary
- 2) RU cementing company to 8-5/8" x 5-1/2" annulus. Establish pump in rate and pressure with FW.
- 3) Squeeze annulus as follows. Maximum pressure 1500 psi (8-5/8" 24# J55 burst = 2950 psi, 5-1/2" 17# J55 collapse = 4910 psi)
Lead - 200 sx Class C cmt w/ 2% CaCl + 1/4 pps Celloflake + 3 pps Glisonite (1.9 yield)
Tail - 175 sx Class C cmt w/ 2% CaCl + 1/4 pps Celloflake (1.34 yield)

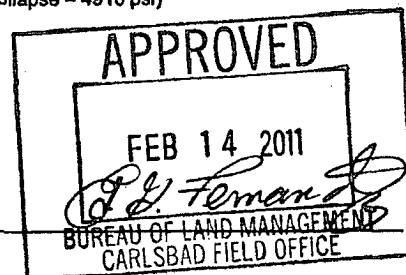
Calculated annular volume is ±250 cuft. Proposed cmt volume is ±615 cuft or about 145% excess.

- 4) WOC & run CBL from 800' - Surf under 1000 psi to verify cement.

1200'

Accepted for record - NMOCD

[Signature]



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

Title Sr. Production Engineer

Signature

[Signature]

Date 02/11/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

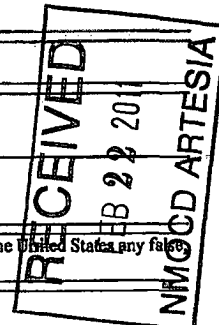
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on page 2)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**



**Birdie Federal #7
30-015-37162
Apache Corporation
February 14, 2011
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. Steps 1 to 3 on Sundry - OK**
- 4. Run Cement Bond Log from 1200 feet to surface.**
- 5. Report findings to BLM**
- 6. Subsequent sundry describing work done with corresponding dates required.**

EGF 021411