

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.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Apache Corporation

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

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

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

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

8. Well Name and No.
Birdie Federal #7

9. API Well No.
30-015-37162

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

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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Bradenhead Sqz</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleat 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 recompleat 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 Gilsonite (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'

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

RECEIVED

FEB 25 2011

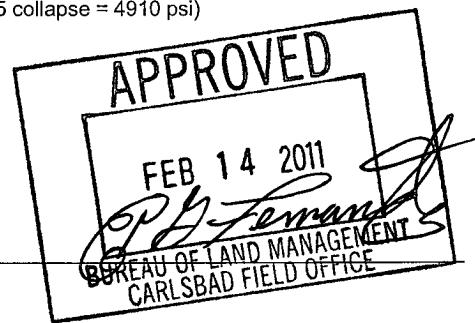
NMOCD ARTESIA

Title Sr. Production Engineer

Date 02/11/2011

Signature

Jeff Gasch



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)

Accepted for record - NMOCD

3-1-2011

**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