


 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

JUL 16 2008

OCD-ARTESIA

 FORM APPROVED
 OMB No. 1004-0137
 Expires: March 31, 2007

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 reverse side.

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

2. Name of Operator Apache Corporation

3a. Address 3300 North "A" Street, Suite 7-150 Midland, Texas 79705

3b. Phone No. (include area code) 432-683-6511

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit B, 680' FNL & 1690' FEL, Section 20, T-21-S, R-23-E

5. Lease Serial No.

NMLC 067832C

6. If Indian, Allottee or Tribe Name

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

NMN M 106836

8. Well Name and No.

West Indian Basin Unit 005

9. API Well No.

30-015-31079

10. Field and Pool, or Exploratory Area

Indian Basin, Upper Penn (Pro Gas)

11. County or Parish, State

Eddy, New Mexico

12. CHECK 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plms	<input checked="" 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached current and proposed plugged wellbore diagrams

1. Set CIBP @ 7,276' Circulate plugging mud 25 sx 7,276 - 7,127'

3. Pump 25 sx @ 5,300 - 5,151'

4. Cut and pull 7' from ~3,300'

5. Pump 55 sx 3,350 - 3,450' (50' inside casing stub) TAG

6. Pump 65 sx 1,375 - 1,275' TAG

7. Pump 25 sx 60' to surface

8. Cut off wellhead and anchors, install dry hole marker.

 X SEE ATTACHED FOR
 CONDITIONS OF APPROVAL

APPROVED

JUL 13 2008

 JAMES A. AMOS
 SUPERVISOR-EPS

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

James F. Newman, P.E.

Title P&A Manager, Basic Energy Services 432.687.1994

Signature

Date

07/10/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

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 in 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 Will need hard
 NMOCD Copies.


BASIC
 ENERGY SERVICES

CURRENT WELLBORE SKETCH
Apache Corporation
Date July 10, 2008
 RKB @ 4000'
 DF @
 GL @

Lease & Well No.:	West Indian Basin Unit	No. 5
Legal Description:	890' FNL & 1890' FEL, Section 20, T-21-S, R-23-E	
County:	Eddy	State: New Mexico
Field:	Indian Basin Upper Penn	
Date Spudded:	IPF	
API Number:	30-015-31079	
Status:		


 16" 84# @ 40'
 grouted to surface

 14-3/4" Hole
 9-5/8" 36# @ 1325'
 Cmt w/800 sx
 TOC @ surface

 Base Salt @ '
 Salt Bridge @ 2600'

TOC 7" Csg @ 3620' (Calc.)

 8-3/4" Hole
 7" 23# & 28# @ 7700'
 Cmt w/360 sx
 TOC @ 4600'

 Upper Penn
 7320' - 7400'

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Formation tops	
Quaternary	surface
Bata Bata Springs	5340'
Wolfcamp	5620'

PROPOSED PLUGGED WELLBORE SKETCH Apache Corporation



BASIC
ANALYTICAL SERVICES

RKB @ 4000'
DF @
OL @

Date: July 10, 2008

Lessee & Well No. West Indian Basin Unit No. 5
Legal Description 880' FNL & 1880' FEL, Section 20,
T-21-S, R-23-E
County Eddy State New Mexico
Field Indian Basin Upper Penn
Date Spudded JFF
API Number 30-015-21079
Status

25 ex 60' to surface
18" 84# @ 40'
grouted to surface

14-3/4" Hole
9-5/8" 36# @ 1325'
Cmt w/800 ex
TOC @ surface
66 ex 1,375 - 1,275' TAG

PROPOSED PLUGGING PROCEDURE

- 1) CIBP @ 7,276 w/ 25 ex 7,276 - 7,127'
- 2) 25 ex @ 5,300 - 5,151'
- 3) cut and pull 7" from 3,300'
- 4) 56 ex 3,350 - 3,450' TAG
- 5) 66 ex 1,375 - 1,275' TAG
- 6) 25 ex 60' to surface

Capacities

4 1/4" 9.5# csg.	10,960	ft/m3	0.0812	ft/m
5 1/4" 15.5# csg.	7,483	ft/m3	0.1336	ft/m
5 1/4" 17# csg.	7,881	ft/m3	0.1305	ft/m
7" 23# csg.	4,521	ft/m3	0.2240	ft/m
7 1/4" 25 1/4# csg.	3,775	ft/m3	0.2648	ft/m
8 1/4" 24# csg.	2,797	ft/m3	0.3575	ft/m
8 1/4" 28# csg.	2,858	ft/m3	0.3505	ft/m
10 1/4" 40.5# csg.	1,815	ft/m3	0.5508	ft/m
7 1/4" openhole	2,957	ft/m3	0.3382	ft/m
8 1/4" openhole	2,385	ft/m3	0.4176	ft/m
12 1/4" openhole	1,227	ft/m3	0.8185	ft/m

cut and pull 7" casing from ~3,300'
66 ex 3,350 - 3,450 (50' inside casing etub) TAG

TOC 7" Csg @ 3620' (Calc.)

25 ex @ 5,300 - 5,151'

8-3/4" Hole
7" 23# & 28# @ 7700'
Cmt w/350 ex
TOC @ 4600'

25 ex @ 7,276 - 7,127'
CIBP @ 7,276'
Upper Penn
7326' - 7400'

P87D 7812'
OTD 7700'

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Formation tops
Quaternary surface
Base Bone Springs 5340'
Wolfcamp 5820'

Apache Corporation
NMLC067832C; West Indian Basin Unit #5
680' FNL & 1690' FEL Section 20, T.21 S., R.23 E.
Eddy County, New Mexico

RE: Plugging and Abandonment Requirements, Conditions of Approval

1. OK as is.
2. Spot a balanced plug from 7019' - 6605' (covers the Wolfcamp and Penn tops).
3. Spot a balanced plug from 3935' - 3795' (covers the Bone Spring top).
4. Cut and pull 7" from 3300'.
5. Spot a balanced plug from 3350' - 3320' (stub plug). WOC and tag no lower than 3320'.
6. Spot a balanced plug from 1375' - 1275' (9-5/8" shoe). WOC and tag no lower than 1275'.
7. Spot surface plug from 150' to surface.

See attached standard COA's.

James A. Amos
505-234-5909

7/13/08

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NMOCD

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet, and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

Accepted for record
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