

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.

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 LN, MIDLAND, TX 79705

3b. Phone No. (include area code)

432.818.1065

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

2310 FNL 2310 FEL SEC. 27-T17S-R29E UNIT G

5. Lease Serial No.
LC-028775B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BARNSDALL FEDERAL #7

9. API Well No.
30-015-29341

10. Field and Pool or Exploratory Area
EMPIRE; GLORIETA-YESO, EAST

11. Country or Parish, State
EDDY CT, 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 type="checkbox"/> Other
	<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 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.)

Apache requests permission to perforate and sand frac the Blinberry Formation. Please see attached procedure for proposed work.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED

JAN 18 2011

NMOCD ARTESIA

APPROVED

JAN 13 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

KATIE KAUFFMAN

Title ENG. TECH

Signature

Katie Kauffman

Date 12/27/2010

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)

DJS

Barnsdall Federal #7

210' FNL & 2310' FEL

Sec 27, T-17S, R-29E

Eddy Co., NM

Blinebry Completion Procedure

Well Data:

Barnsdall Federal #7

30-015-29341

AFE # PA-11-3026

8-5/8" 24# J55 @ 425' circ 98 sx

5-1/2", 17# J55 LT&C @ 5423'. Circ

DV tool @ 3803'

Existing Perfs:

Paddock

4141-4474' (25 holes).

Correlation Log: Halliburton Neutron Density Log dated 10/26/97

Procedure:

1. POOH w/ prod equipment.
 2. RIH w/ 4-3/4" bit on WS. Tag PBTD @ 5403'. Circ well clean & POOH.
 3. RU WL & Perforate Lower Blinebry w/ 1 spf, 120 deg phasing (0.37" hole) as follows:
5185', 90', 95', 5200', 05', 10', 15', 20', 25', 30', 35', 70', 78', 86', 95', 5300', 05', 10', 15', 53', 60',
72', 81' (23 holes)
 4. RIH w/ treating pkr on 3-1/2" WS while testing tbq. Acidize w/ 3000 gals 15% NEFE HCl & 46 bioball ballsealers. Release pkr & RIH to knock balls off perfs. POOH & reset pkr @ 5150'.
 5. Swab test perfs 5180-5381'. Report fluid entry and oil cut. Decision to frac will be made based on swab results.
 6. If necessary Frac Lower Blinebry perfs down 3-1/2" tbq w/ 70,000# 16/30 white sand and 30,000# 16/30 Siberprop in 20# xlink gel at 50-60 bpm. Maximum pressure of 8000 psi. Flow back well & POOH w/ tbq.
 7. RU WL and set composite BP @ $\pm 5160'$. Perf Middle Blinebry w/ 1 spf at 120 deg phasing (0.37" hole) as follows:
4970', 75', 80', 85', 90', 95', 5000', 05', 10', 15', 65', 70', 75', 80', 85', 90', 5101', 08', 16', 22' (20 holes)
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Barnsdall Federal #7

210' FNL & 2310' FEL

Sec 27, T-17S, R-29E

Eddy Co., NM

96610

Blinebry Completion Procedure

8. RIH w/ pkr on WS. Set pkr at 4900' and acidize perms w/ 3000 gals 15% NEFE HCl & 40 bioballs. Release pkr & RIH to knock balls off perms. POOH & reset pkr @ 4900'.
 9. Frac Middle Blinebry w/ 70,000# 16/30 white and 30,000# 16/30 Siberprop in 20# xlink gel at 50-60 bpm. Max pressure 8000 psi. Flow back well & POOH w/ tbq.
 10. RU WL and set composite BP @ $\pm 4900'$. Perf Upper Blinebry w/ 1 spf at 120 deg phasing (0.37" hole) as follows:
4735', 40', 45', 50', 55', 60', 65', 70', 75', 80', 85', 90', 95', 4800', 05', 34', 42' (17 holes)
 11. RIH w/ pkr on WS to 4650'. Acidize Upper Blinebry perms (4735-4842') w/ 3000 gals 15% HCl & 34 bioballs. Release pkr & RIH to knock balls off perms. Re-set pkr @ 4150'.
 12. Frac Upper Blinebry w/ 60,000# 16/30 white & 30,000# 16/30 Siberprop in 20# xlink gel at 50-60 bpm. Max pressure 8000 psi. Flow back well and POOH.
 13. RIH w/ bit & DO plugs
 14. Put well on production to test Blinebry completion.
 15. After thoroughly testing well with Blinebry completion MIRUPU to frac the Paddock.
 16. POOH w/ prod equipment.
 17. RU WL & perf 4450', 4498', 4510', 4528' w/ 1 spf 120 deg phasing. (will be 29 holes total in Paddock)
 18. RIHw/ pkr & RBP on 3-1/2" WS. Set RBP below Paddock perms at $\pm 4600'$. Set pkr & test RBP to 1000 psi.
 19. RU acid co & spot 2 bbls acid across perms. POOH & set pkr above perms.
 20. Acidize Paddock perms w/ 3000 gals 15% NEFE HCL & 75 1" ball sealers (drop more balls than normal trying to get ball out to make sure new perms are broken down)
 21. Frac Paddock w/ 150,000# 16/30 white & 30,000# 16/30 Siberprop in 20# xlink gel at 50-60 bpm. Max pressure 8000 psi. Flow back well and POOH.
 22. RIH w/ bit & CO to RBP. POOH
 23. Retrieve RBP.
 24. Run production equipment and set up well for continuous scale inhibitor treatment.
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**Barnsdall Federal #7
30-015-29341
Apache Corporation
January 14, 2011
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.**
- 4. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.**
- 5. Subsequent sundry with well test and wellbore schematic required.**

EGF 011311