

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

RECEIVED
State of New Mexico
Energy, Minerals and Natural Resources

Form C-101
May 27, 2004

MAY 29 2008
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Apache Corporation 6120 S Yale Ave, Suite 1500 Tulsa, OK 74136-4224		² OGRID Number 00873
³ Property Code 303212		⁴ Property Name Bull Durham
⁵ Well No. 001		⁶ APL Number 30-025-34187
⁷ Proposed Pool 1 House Warren, Tubb, East		⁸ Proposed Pool 2 <78760>

Surface Location

UL or lot no. P	Section 14	Township 20S	Range 38E	Lot Idn	Feet from the 330	North/South line South	Feet from the 660	East/Westline East	County Lea
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Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
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Additional Well Information

¹¹ Work Type Code A	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3577'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 7215' CIBP	¹⁸ Formation Blinebry/Tubb	¹⁹ Contractor	²⁰ Spud Date OPEN
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner, Synthetic <input type="checkbox"/> milstuck Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	1590'	775 sx	
7-7/8"	5-1/2"	15.5 & 17#	7800'	1750 sx	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Current Profile: This well is currently producing from the Blinebry and Abo zones.

Blinebry perforations fr/ 5972-6114', producing.

Abo perforations fr/ 7290-7520', producing.

Apache proposes to recompleat this well to include the Tubb via the following procedure:

1. MIRU pulling unit. POH w/ production equipment.
2. Isolate and swab test Abo. If production is not commercial, set CIBP @ 7250' w/ 35' cmt on top.
3. Perforate Tubb.
4. Acidize Tubb.
5. Frac Tubb if needed.
5. Install production equipment.
6. Apply for DHC and place well on Blinebry/Tubb production.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

Adding

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Sophie Mackay

Title: Engineering Tech

E-mail Address: sophie.mackay@apachecorp.com

Date: 05/22/2008

Phone: (918)491-4864

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date:

JUN 05 2008

Expiration Date:

Conditions of Approval Approval to drill & test all new zones separate, but cannot produce Downhole commingle until DHC is approved in Hobbs District office according to R-11363

[illegible]

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34187		Pool Code 87085 78760		Pool Name House Warren, Tubb, East	
Property Code 303212	Property Name Bull Durham				Well Number 001
OGRID No. 00873	Operator Name Apache Corporation				Elevation 3577' GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	20S	38E		330	South	660	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

" Dedicated Acres 40 ✓	" Joint or Infill	" Consolidation Code	" Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16	RECEIVED MAY 29 2008 HOBBS OCD	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>S. Mackay</u> Date <u>05/22/2008</u> Printed Name <u>Sophie Mackay</u>	
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number <u>330-660</u>	