

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88201

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

RECEIVED

JUN 18 2009

HOBBSOCD

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 API Number 30-025-06621
⁴ Property Code 37346	⁵ Property Name West Blinebry Drinkard Unit	⁶ Well No 056
⁹ Proposed Pool 1 Eunice; Blinebry-Tubb-Drinkard, North		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no H	Section 16	Township 21S	Range 37E	Lot Idn	Feet from the 1980	North/South line North	Feet from the 660	East/Westline East	County Lea
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⁸ 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 S (BO-1732)	¹⁵ Ground Level Elevation 3497'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 6614'	¹⁸ Formation Bli-Tu-Dri	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"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
No Change					

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:

Blinebry perforations fr/ 5608-5747', currently producing.
Blinebry perforations fr/ 5827-5954', squeezed off below CR @ 5790'
Drinkard open hole fr/ 6547-6614', below CIBP @ 6052' and packer @ 6095'.

Apache proposes to recomplete this well to include the Tubb and re-open the Drinkard via the following procedure:

1. MIRU pulling unit. Pull production equipment.
2. DO CR @ 5790'. DO CIBP @ 6052' and DO packer @ 6095'. CO to PBTD @ 6614'.
3. Set RBP @ 6540'. Run logs from 6540-5500'
4. Perforate, isolate, acidize and fracture stimulate upper Drinkard at interval selected by engineer
5. Re-set RBP @ 6400'. Perforate, isolate, acidize and fracture stimulate Tubb at interval selected by engineer.
6. Re-set RBP @ 6000'. Re-perforate, isolate and acidize lower Blinebry at interval selected by engineer.
7. POOH RBP. Place well on production from Blinebry-Tubb-Drinkard per R-12538.

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: 06/16/2009
Phone: (918)491-4864

OIL CONSERVATION DIVISION

Approved by

Title

Approval Date

Expiration Date

Conditions of Approval Attached ☐

Present

WELL DATA SHEET

Last Update: 1-7-09

Lease Name: WBDU #56 (Harry Leonard NGT-E #2) API No: 30-025-06621

Location: 1980'N/660'E
C-SE-NE, Sec 16, T-21S, R-37E County: Lea ST: NM

Spud Date: 11-24-47 Well Elev: 3497' GL 10' KB

TD Date: 1-1-48 Completion Date: 1-14-48

TD: 6614' PBTD: 5790' TOC: 2715' (fs)

Casing

Size: 13 3/8" 9 5/8"

Wt: 48# 36#

Grd: H-40 H-40 IP: _____ BOPD _____ BWPD _____ MCF/D

Dpth: 301' 2952' Well History: (See Attached)

Cmt: 300 1300
(Circ)

Producing Formation: Blinebry

Perfs: From 5608 to 5747' 4/spf _____ to _____

_____ to _____ /spf _____ to _____

Blinebry

5608-10'
5635-37'
5666-68'
5696-98'
5745-47'

5827-29'
5853-55'
5874-76'
5907-09'
5952-54'

5QW/350 SX

CIBPe 6052'
W/35' cmt
Size: 7"

Wt: 23#

Grd: J-55

Dpth: 6547'

Cmt: 700 SX

Well Equipment:

Pumping Unit: American C160-200-74

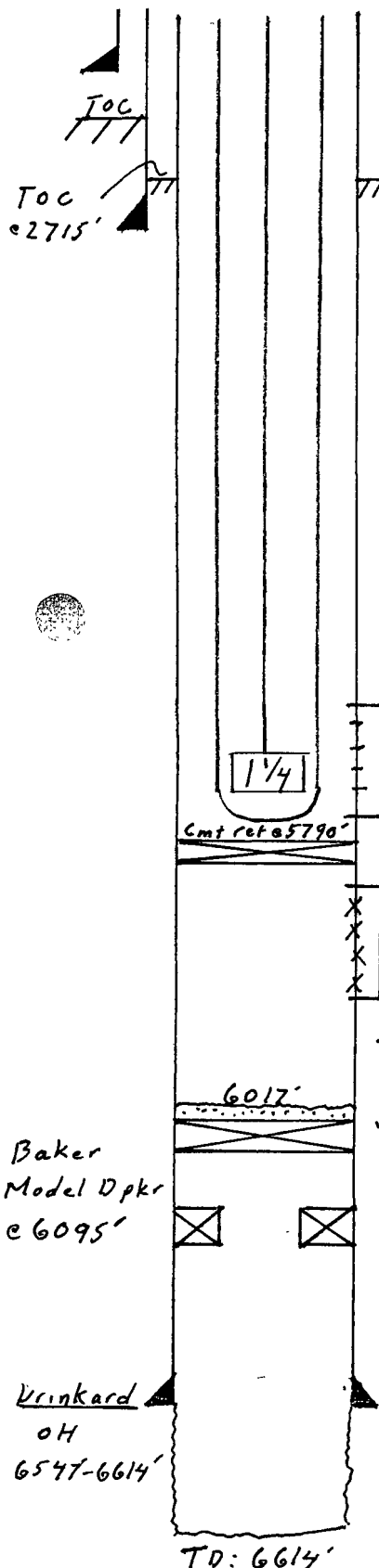
Motor Type: _____ HP: 10 POC: _____

Tbg: 186 Jts 2 3/8" Size 4.77 Grade J-55

MA @ 5753' SN @ 5717' TAC @ _____ (7-25-79)

Rods: 67- 7/8" C + 159- 3/4" C

Pump: 2" x 1 1/4" x 14' RHIC (7-26-79)



Proposed

WELL DATA SHEET

Last Update: 6-12-09

Lease Name: WBDU #56 (Harry Leonard McT-E #2) API No: 30-025-06621
Location: 1980' N / 660' E
C-SE-NE, Sec 16, T-21S, R-37E County: Lea ST: NM

Spud Date: 11-24-47 Well Elev: 3497' GL 10' KB

TD Date: 1-1-48 Completion Date: 1-14-48

TD: 6614' PBTD: - TOC: 2715' (TS)
Csg Size: 13 3/8" 48" H-40 301' 300 SX (Circ)
Wt: 36" Grd: H-40 Dpth: 2952' Cmt: 1300 SX

Producing Formation: Blinebry / Tubb / Drinkard

Perfs: From 5608 to 5747' 4/spf 6185 to 6285' 2 spf
5820 to 5960 2/spf 6460 - 6530' 2 spf
6547 to 6614' 04

IP: - BOPD - BWPD - MCF/D

Well History: (See Attached)

Blinebry

5608-10'
5635-37'
5666-68'
5696-98'
5745-47'

5820'
Asperlos
5960'

Tubb

6185'
Asperlos
6285'

Drinkard

6460'
Asperlos
6530'

Well Equipment:

Pumping Unit: American C160-200-74

Motor Type: - HP: 10 POC: -

Tbg: 212 Jts 2 3/8" Size 5-55" Grade 4.7"

MA @ 6540' SN @ 6510' TAC @ 5550'

Rods: 78.7 1/2" + 182-3 1/4"

Pump: 2" x 1 1/4" x 16"

Csg Size: 7" Wt: 23" Grd: J-55 Dpth: 6547' Cmt: 700 SX

TD: 6614'

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-06621		2 Pool Code 22900		3 Pool Name Eunice; Blincbry-Tubb-Drinkard, North	
4 Property Code 37346		5 Property Name West Blincbry Drinkard Unit			6 Well Number 056
7 OGRID No. 00873		8 Operator Name Apache Corporation (873)			9 Elevation 3497'

10 Surface Location									
11 UL, or lot no. H	12 Section 16	13 Township 21S	14 Range 37E	15 Lot Idn	16 Feet from the 1980	17 North/South line North	18 Feet from the 660	19 East/West line East	20 County Lea

11 Bottom Hole Location If Different From Surface									
21 UL, or lot no.	22 Section	23 Township	24 Range	25 Lot Idn	26 Feet from the	27 North/South line	28 Feet from the	29 East/West line	30 County
31 Dedicated Acres 40		32 Joint or Infill		33 Consolidation Code		34 Order No.			

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				1980'	<div> 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 <div> <div>Signature</div> <div> A. Mackay Sophie Mackay </div> </div> <div> <div>Date</div> <div>06/15/2009</div> </div> </div>