

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

State of New Mexico
Energy Minerals and Natural Resources
RECEIVED
Oil Conservation Division
JUN 18 2009
1220 South St. Francis Dr.
Santa Fe, NM 87505
HOBBSOC

Form C-101
May 27, 2004

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 30 025-06634
⁴ Property Code 37346	⁵ Property Name West Blinebry Drinkard Unit	⁶ Well No 090
⁹ Proposed Pool 1 Eunice; Blinebry-Tubb-Drinkard, North		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
P	16	21S	37E		330	South	330	East	Lca

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

Additional Well Information

¹¹ Work Type Code A	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S (BO-8105)	¹⁵ Ground Level Elevation 3430.5'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 6725'	¹⁸ Formation Bl-Tu-Dri	¹⁹ Contractor	²⁰ Spud Date OPEN
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Volume _____ bbls				
Drilling Method: Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				
Liner Synthetic ☐ _____ mil thick Clay ☐ Closed-Loop System ☐				

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/ 5600-5966', currently producing.
Tubb perforations fr/ 6052-6297', currently producing.

Apache proposes to recomplete this well to include the Drinkard via the following procedure:

1. MIRU pulling unit. Pull production equipment. Tag for fill. CO fill. KO CIBP @ 6400' and push to PBTD @ 6725'.
2. Run logs fr/ 6725-5900'. If bad casing below Drinkard is found, set CIBP @ +/- 6700'.
3. Perforate Drinkard at interval selected by engineer.
4. Isolate, acidize and fracture stimulate new Drinkard perfs.
5. Place well on production from Blinebry-Tubb-Drinkard per R-12538.

Permit Expires 2 Years From Approval Date Unless Writing Underway

Adding Perfs

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 PETROLEUM ENGINEER

Approval Date

Expiration Date

Condition of Approval Attached ☐

Present

WELL DATA SHEET

Last Update: 4-15-09

Lease Name: WBDU #90 (State Land 15 E5)

API No: 30-025-06634

Location: 330°S/330°E
G-SE-SE-SE, Sec 16, T-21S, R-37E

County: Lea ST: NM

Spud Date: 4-12-52 Well Elev: 3430.5' GL 14.5' KB

TD Date: 6-14-52 Completion Date: 6-24-52

TD: 8261' PBTD: 6400' TOC: 3376' (TS)

Csg Size: 13 3/8" Wt: 36# Grd: - Dpth: 258' Cmt: 2505X (Circ)
8 5/8" Wt: 32# Dpth: 2861' Cmt: 15005X (Circ)

Producing Formation: Blinberry / Tubb

Perfs: From 5600 to 5753' 1/spf 6052 to 6297' 1/spf
5768 - 5891' 4/spf
5942 to 66' 1/spf to

IP: _____ BOPD _____ BWPD _____ MCF/D

Well History: (See Attached)

Blinberry

5600-14, 49-53
5672-5724'
5729-53,
5768-70, 90-92
5813-15, 50-52,
5861-63, 73-75,
5889-91

Tubb

6052, 54,
6063, 84, 97,
6107, 25, 34,
6151, 54, 73,
6173, 80, 89, 97,
6202, 13, 17, 36,
6242, 43, 48, 65,
6270, 85, 86, 96, 97

CZBP: 6400'

6725'

F 6780'

Unknown 'junk' c 6725'

CZBP c 6800'
w/ 45X cmt

Abo

6878'
42' perfed
7177'

Cmt ret c 7187'

7188-7200'
7206-08'
7225-27'
50/1005X

Well Equipment:

Pumping Unit: C228

SPM - 6.2
SL - 44"

Motor Type: _____ HP: 20 POC: _____

Tbg: 2 1/4 Jts 2 3/8" Size 4.7" Grade

MA @ _____ SN @ 6326' TAC @ 5584' (9-26-07)

Rods: 92-7/8"D + 178-3/4"D + 9-7/8"D

Pump: 2" X 1 1/4" X 16' (4-8-09)

Connell

8088-89'
8099-8102'
8105-08'

Cmt ret c 8155'

Ellenburger

8198-8208
50/405X

8249'

Csg Size: 5 1/2" Wt: 17# Grd: N-80 Dpth: 8259' Cmt: 4005X

TD: 8261'

Proposed

WELL DATA SHEET

Last Update: 6-12-09

Lease Name: WBDU #90 (State Land 15 #5)

API No: 30-025-06634

Location: 330.5/330.5 E
C-SE-SE-SE, Sec 16, T-21S, R-37E

County: Lea ST: NM

Spud Date: 4-12-52 Well Elev: 3430.5' GL 14.5' KB

TD Date: 6-14-52 Completion Date: 6-24-52

TD: 8261' PBDT: 6725' TOC: 3376' (TS)

Csg Size: 13 3/8" Wt: 36# Grd: - Dpth: 258' Cmt: 250.5X (Circ)
8 1/8" 32# - 2861' 1500.5X (Circ)

Producing Formation: Blinebry / Tubb / Drinkard

Perfs: From 5600 to 5753' 1/spf 6052 to 6297' 1/spf
5768 - 5891' 4/spf
5942 to 66' 1/spf 6430 to 6640' 2.5 spf

IP: - BOPD - BWPD - MCF/D

Well History: (See Attached)

Blinebry

5600-14, 49-53
5672-5724'
5729-53,
5768-70, 90-92
5813-15, 50-52,
5861-63, 73-75,
5884-91

Tubb

6052, 54,
6063, 84, 97,
6102, 25, 34,
6151, 54, 73,
6173, 80, 89, 97,
6202, 13, 17, 36,
6242, 43, 48, 65,
6270, 85, 86, 96, 97

5768'
5Q/300.5X
5891'
5Q/100.5X

Drinkard

6430'
As per logs
6640'

Baker
FA pkr
e 6820'

CEBP
e 7750'
w/2.5X Cmt

Ellenburger

8198-8208
5Q/40.5X

Unknown 'junk' e 6725'

CEBP e 6800'
w/4.5X Cmt

Abo

6878'
42' perforated
7177'

Cmt ret e 7183'

7188-7200'
7206-08'
7225-27'
5Q/100.5X

McKee

7796-7838'
5Q/150.5X

Connell

8080-89'
8099-8102'
8105-08'

Cmt ret e 8155'

Well Equipment:

Pumping Unit: C228

SPM-6.2
SL-4411

Motor Type: - HP: 20 POC: -

Tbg: 224 Jts 2 3/8" Size 4.7" Grade J-5"

MA @ - SN @ 6650' TAC @ 5584'

Rods: 105 7/8" D + 178 3/4" D + 9 7/8" D

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

Csg Size: 5 1/2" Wt: 17# Grd: N-80 Dpth: 8259' Cmt: 400.5X

TD: 8261'

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State of New Mexico

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 30-025-06634		Pool Code 22900	Pool Name Eunice; Blincbry-Tubb-Drinkard, North
Property Code 37346	Property Name West Blincbry Drinkard Unit		Well Number 90
OGRID No. 00873	Operator Name Apache Corporation (873)		Elevation 3430.5'

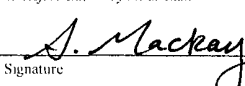
¹⁰ Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	21S	37E		330	South	330	East	Lea

¹¹ Bottom Hole Location If Different From Surface

U/L 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.			

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					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  06/15/2009 Signature Date Sophie Mackay Printed Name
					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	