

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

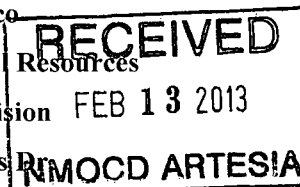
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505

Form C-101
Revised November 14, 2012



☐ AMENDED REPORT

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

1. Operator Name and Address Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705		2. OGRID Number 873
		3. API Number 30-015-40076
4. Property Code 309175	5. Property Name Washington 33 State	6. Well No. 052

7. Surface Location

UL - Lot H	Section 33	Township 17S	Range 28E	Lot Idn	Feet from 2325	N/S Line North	Feet From 465	E/W Line East	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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9. Pool Information

Pool Name Artesia; Glorieta-Yeso (O)	Pool Code 96830
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Additional Well Information

11. Work Type P	12. Well Type O	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 3673'
16. Multiple N	17. Proposed Depth 4300'	18. Formation Blinebry	19. Contractor	20. Spud Date 08/04/2012
Depth to Ground water		Distance from nearest fresh water well None within 1/2 mile radius		Distance to nearest surface water None

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
S	12-1/4"	8-5/8"	24#	500'	380 sx Class C	Surface
P	7-7/8"	5-1/2"	17#	5150'	720 sx Class C	Surface

Casing/Cement Program: Additional Comments

Apache would like to plugback the Lower Blinebry & complete the Paddock/Blinebry as per the attached procedure.

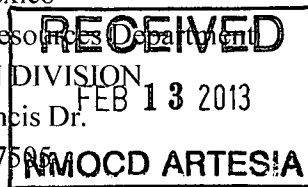
22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

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 I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature:		OIL CONSERVATION DIVISION	
Printed name: Fatima Vasquez		Approved By:	
Title: Regulatory Tech I		Title:	
E-mail Address: Fatima.Vasquez@apachecorp.com		Approved Date: 2/13/2013 Expiration Date: 2/14/2015	
Date: 02/11/2013	Phone: (432) 818-1015	Conditions of Approval Attached	

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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 August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40076		² Pool Code 96830	³ Pool Name Artesia; Glorieta-Yeso (O)
⁴ Property Code 309175	⁵ Property Name Washington 33 State		⁶ Well Number 052
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705		⁹ Elevation 3673'

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
H	33	17S	28E		2325	North	465	East	Eddy

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
¹² Dedicated Acres 40.0		¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ 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>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.</i>	
		02/11/2013
	Signature _____ Date _____ Printed Name _____ Fatima Vasquez E-mail Address _____ Fatima.Vasquez@apachecorp.com	
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i>	
Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____		

APACHE CORPORATION

WASHINGTON 33 STATE #52

30-015-40076

PLUG BACK LOWER BLINEBRY & COMPLETION PADDOCK/BLINEBRY

Relative Data:

Casing: 5 1/2", 17 lb/ft, J-55

ID = 4.892"

Drift = 4.767"

Capacity = 0.02324 BBL/ft

Burst = 5320 psi; 80% = 4256 psi

Tubing: 2-7/8", 6.5 lb/ft, J-55, 8rd, EUE

Capacity = 0.005794 bbl/ft

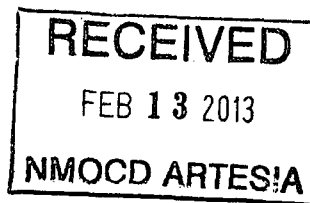
Burst = 7260 psi; 80% = 5808 psi

Collapse 7680 psi; 80% = 6144 psi

Yield 99,660 lbs; 80% = 79,728 lbs

5 1/2" x 2 7/8" Annular capacity 0.0152 BBL/ft KB = 14 ft (AGL) 5 1/2" @ 5107' TD = 5,150' KB

1. MIRUDDPU. Install BOP. Set CIBP @ 4330' w/30' cmt. Test casing & CIBP TO 2500 psi. TIH spot 900 gallons 10% Acetic @ 4150'. Perforate the Paddock/Blinebry zone per log analysis 3593, 3616, 35, 50, 60, 79, 3717, 28, 47, 60, 78, 3804, 30, 50, 71, 82, 3904, 20, 42, 67, 83, 4008, 28, 41, 60, 80, 4100, 20, 40 & 60'. (1 JSPP) (30 holes) using a charge that generates a .37" - .42" diameter hole with a min. 21" penetration. RD wireline. RD WL.
2. RU wellhead tree saver & multi-stg frac tool for fracture stimulating. Acidize W/3500 gals of 15% NEFE HCl W/additives using 40 balls to divert evenly spaced throughout job at max rate but not exceeding 3000 psi surface pressure. Surge balls off perfs and allow to fall to bottom.
3. Frac the Paddock/Blinebry dn csg according to vendor recommended procedure.
4. Flow back well until dead. RU reverse unit & swivel.
5. TIH W/4 3/4" bit & CO well to PBTD. Reverse circ clean. TOH & LD bit.
6. Hydrotest in hole with W/tbg for production as specified by the Artesia office. TIH W/pump & rods as specified by the Artesia office.



Apache Corp.
Current Wellbore

GROUP: Permian North
FIELD: Artesia (BP)
LEASE/UNIT: Washington 33 State
COUNTY: Eddy
API: 30-015-40076

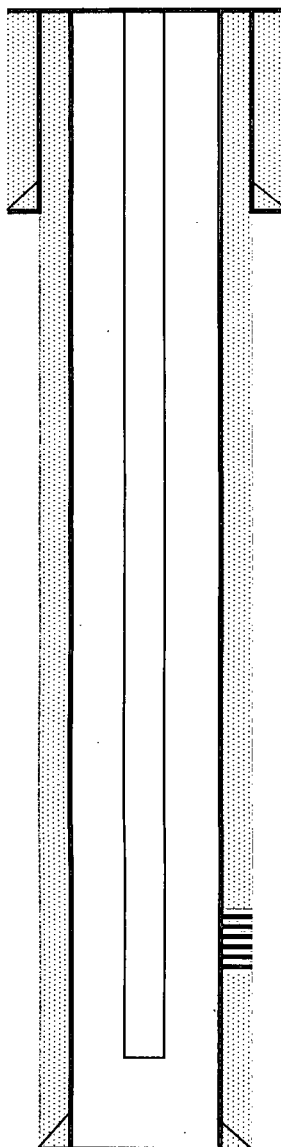
DATE: Feb. 05, 2013
BY: S Hardin
WELL: #52
STATE: New Mexico

Spud Date: 8/4/2012
Rig Release Date: 8/10/2012
Completion Date: 9/28/2012

KB = 11'
GL = 3673'

12-1/4"

7-7/8"



8-5/8" 24# J-55 Set @ 500'
CMT W/ 380 SX (SURF/CIRC)

2-7/8 6.5# J-55 TUBING @ 5108'

BLINEBRY
4360'-5060' (1 JSPF, 37 holes)

5-1/2" 17# J-55 Set @ 5150'
CMT W/ 720 SX (SURF/CIRC)

TD: 5150'
PBTD: 5140'

Apache Corp.
Proposed Wellbore

GROUP: Permian North
FIELD: Artesia (BP)
LEASE/UNIT: Washington 33 State
COUNTY: Eddy
API: 30-015-40076

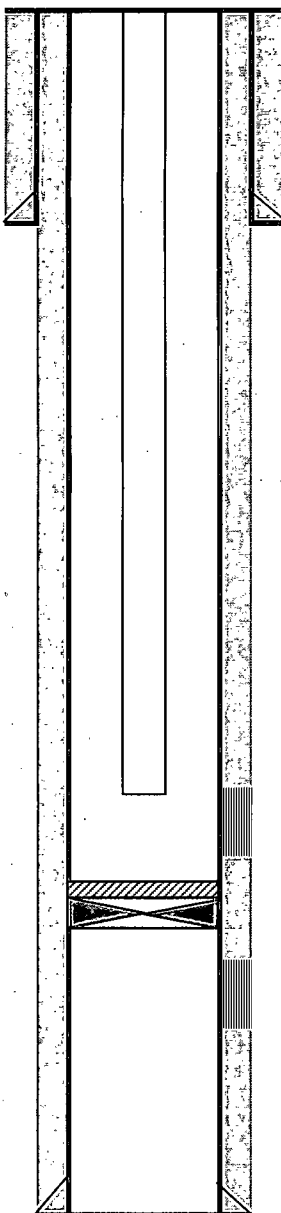
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KB = 11'
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12-1/4"

7-7/8"



8-5/8" 24# J-55 Set @ 500'
CMT W/ 380 SX (SURF/CIRC)

2-7/8 6.5# J-55 TUBING

PADDOCK/BLINEBRY
3593'-4160' (1 JSPF, 30 holes)

CIBP @ 4330' w/30' cmt

BLINEBRY
4360'-5060' (1 JSPF, 37 holes)

5-1/2" 17# J-55 Set @ 5150'
CMT W/ 720 SX (SURF/CIRC)

TD: 5150'
PBTD: 4300'