HOBBS OCD

OCD Hobbs MAY 28 2013

RECEIVED

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

5. Lease Serial No.
NMLC-031741A

6. If Indian, Allottee or Tribe Name

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.*

7. If Unit of CA/Agreement, Name and/or No.
NMNM-116411

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
West Blinebry Drinkard Unit (WBDU) #050 (37346)

2. Name of Operator
Apache Corporation (873)

9. API Well No.
30-025-37744

3a. Address
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705

3b. Phone No. *(include area code)*
432/818-1062

10. Field and Pool or Exploratory Area
Eunice; B-T-D, North (22900)

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
1440' FSL & 1332' FEL UL J Sec 9 T21S R37E

11. County or Parish, State
Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☑ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other ADD PERFS
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 would like to add perforations to, and acid stimulate the Blinebry and Drinkard formations, per the attached.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Title Sr. Staff Reg Tech

Signature Reesa Holland Fisher

Date 05/09/2013

APPROVED
MAY 22 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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)

MSB/OCD 7/16/2013

JUL 16 2013

WBDU 50 Proposed Procedure

Add perforations to, and acid stimulate the Blinebry and Drinkard formations

Day 1: MIRU. POOH w/ rods and pump. Install BOP. Tag for fill and POOH w/ 2-7/8" tbg. RIH w/ 4-3/4" bit on 2-7/8" ws

Day 2: Cont. RIH. Clean well to out +/- 6816' PBTD as necessary, POOH. RIH w/ scraper to +/-6700'

Day 3: Cont. RIH w/scraper to +/-6700', POOH.

MIRU WL. Perforation depths based on a datum elevation of 3490' (KB elevation). Openhole logs with proposed perforations will be provided for correlation

Perforate the Drinkard from 6497-6503', 6514-20', 22-24', 28-32', 37-40', 47-52', 6600-01', 13-18', 20-23', 37-39', 45-49', 69-71', 76-78', 84-89' w/ 4 SPF, 90 deg phasing (50 ft, 200 shots)

Perforate the Blinebry from 5769-70', 72-73', 5829-31', 38-41', 6145-47', 49-50' w/ 4 SPF, 90 deg phasing (10 ft, 40 shots)

PU RIH w/ RBP and treating pkr

Day 4: Cont. RIH w/ RBP and treating pkr

Set RBP @ +/-6700'. Set pkr @ +/-6570'. Acidize the Drinkard w/5,000 gals 15% HCl-NE-FE BXDX acid and rock salt in three equal stages @ +/-10 BPM. Release pkr. Wash out salt. Release RBP

Re-set RBP @ +/-6570'. Set pkr @ 6400'. Acidize the Drinkard w/3,800 gals 15% HCl-NE-FE BXDX acid and rock salt in three equal stages @ +/-10 BPM. Release pkr. Wash out salt. Release RBP

Re-set RBP @ +/-6220', set pkr @ +/-5570'. Acidize the Blinebry w/4,300 gals 15% HCl-NE-FE BXDX acid and rock salt in three equal stages @ +/-10 BPM. Release pkr. Wash out salt. Release RBP

POOH w/ 2-7/8" ws

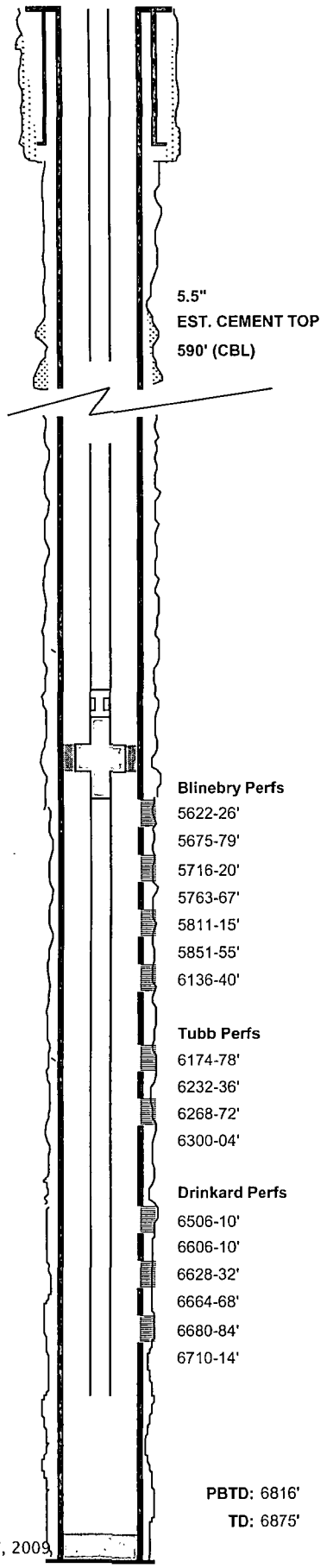
Day 5: Cont. POOH w/ 2-7/8" ws. RIH w/ SN, 2-7/8" production tbg. ND BOP, set TAC, NU WH

Day 6: RIH w/ 1-1/2" pump and rods. Return well to production. Place well in test

Apache Corporation

WBDU #50 (Hawk B-1 #48)

WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU #50 (Hawk B-1 #48)			**API:**	30-025-37744
LOCATION:	1440'S/1332'E SE-SE-NW-SE, Sec. 9, T-21S, R-37E			**COUNTY:**	Lea Co., NM
SPUD-TD DATE:	09/08/2006 - 09/20/2006			**COMP. DATE:**	11/1/2006
PREPARED BY:	Michael Hunter			**DATE:**	4/14/2013
TD:	6875'	**KB Elev.**	3490'	**KB Dist. H**	
PBTD:	6816'	**Ground Elev.**	3479'	**KB to Ground**	11'

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	8-5/8" (Cemented w/600sx, Circ. to surf.)	24.00	J-55	0.00	1,288.00
Prod. Casing	5-1/2" (Cemented w/1625sx, TOC @ 590' CBL)	17.00	J-55/L-80	0.00	6,875.00
Open Hole					
Tubing	2-7/8"	6.50	J-55	0.00	6,758.00

PRODUCTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	2-7/8" X 5-1/2" Tubing Anchor		5550.00
2	207 JTS 2-7/8" 6.5# J-55 TBG		
3	SN		6758.00
4			
5			
6			
7			
8			
9			
10			

PRODUCTION ROD STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	71 JTS 1" KD RODS	1,775.00	
2	78 JTS 7/8" KD RODS	1,950.00	
3	118 JTS 3/4" KD RODS	2,950.00	
4	BHP: 2" X 1 1/2" X 24' RHBC (01/24/2012)	24.00	
5			
6			
7			
8			
9			
10			

SURFACE EQUIPMENT

PUMPING UNIT SIZE:	C640-365-168	**MOTOR HP:**	40 HP
PUMPING UNIT MAKE:		**MOTOR MAKE:**	

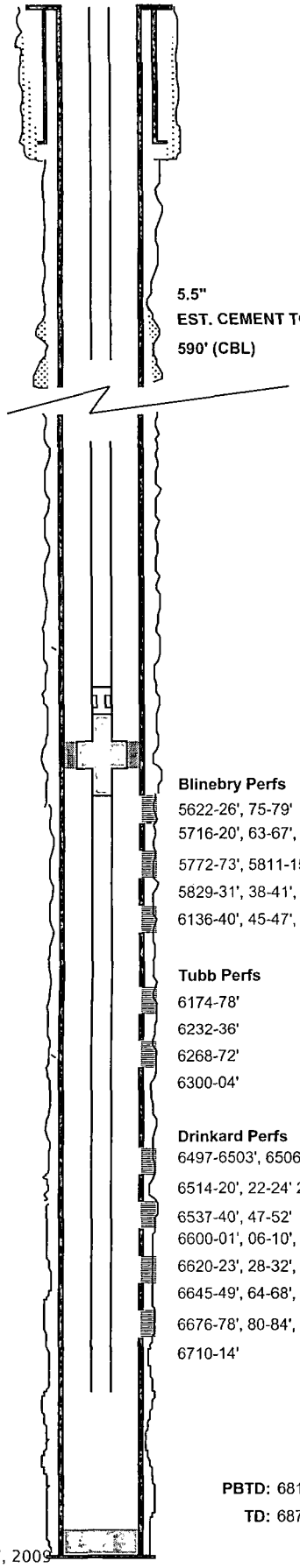
PERFORATIONS

Form.	Intervals	Density
Blinebry	5622-26', 75-79', 5716-20', 63-67', 5811-15', 51-55', 6136-40'	2 SPF
Tubb	6174-78', 6232-36', 68-72', 6300-04'	2 SPF
Drinkard	6506-10', 6606-10', 28-32', 64-68', 80-84', 6710-14'	2 SPF

Apache Corporation

WBDU #50 (Hawk B-1 #48)

WELL DIAGRAM (PROPOSED CONFIGURATION)



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2	78 JTS 7/8" KD RODS	1,950.00	
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4	6 JTS 1-1/2 K BARS w/ 3/4" PIN N/N	150.00	
5	BHP: 2" X 1 1/2" X 24' RHBC	24.00	
6			
7			
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SURFACE EQUIPMENT

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	6497-6503', 6514-20', 22-24', 28-32', 37-40', 47-52' (Proposed)	4 SPF
	6600-01', 13-18', 20-23', 37-39', 45-49', 69-71', 76-78', 84-89' (Proposed)	4 SPF

West Blinebry Drinkard Unit 50
30-025-37744
Apache Corporation
May 22, 2013
Conditions of Approval

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by August 22, 2013.

1. **Must conduct a casing integrity test before any work can be done. Submit results to BLM. The CIT is to be performed on the production casing per Onshore Oil and Gas Order 2.III.B.1.h. Submit results to the BLM.**

2. **If CIT <u>does not</u> fail work is approved as written.**

3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.

4. Surface disturbance beyond the originally approved pad must have prior approval.

5. Closed loop system required.

6. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

7. Operator to have H2S monitoring equipment on location.

8. A minimum of a 2000 (2M) 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.

9. **Subsequent sundry required detailing work done. Operator to include well bore schematic of current well condition when work is complete.**

JAM 052213