

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
OCD Hobbs
MAY 28 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM-90161

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
NMNM-116414 24427

2. Name of Operator
Apache Corporation (873)

8. Well Name and No.
West Blinebry Drinkard Unit (WBDU) #054 (37346)

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

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

9. API Well No.
30-025-38200

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)

2620' FSL & 2510' 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			
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>ADD PERFS</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

APPROVED
MAY 22 2013
Jennifer T. Mason
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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)

MAB/OCD 7/16/2013

JUL 16 2013

WBDU 54 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 +/- 6775' PBTB 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 3497' (KB elevation). Openhole logs with proposed perforations will be provided for correlation

Perforate the Drinkard from 6494-95', 6514-16', 22-24', 74-85', 6593-6604', 6641-45', 51-55', 58-60', 74-77' w/ 4 SPF, 90 deg phasing (40 ft, 160 shots)

Perforate the Blinebry from 5783-85', 86-88', 96-99', 5820-22', 74-76', 6130-32' w/ 4 SPF, 90 deg phasing (13 ft, 52 shots)

PU RIH w/ RBP and treating pkr

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

Set RBP @ +/-6700'. Set pkr @ +/-6400'. Acidize the Drinkard w/8,800 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 @ +/-6180', set pkr @ +/-5600'. Acidize the Blinebry w/6,400 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

Apache Corporation
WBDU #54 (Hawk B-1 #65)
WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME: WBDU #54 (Hawk B-1 #65)	API: 30-025-38200
LOCATION: 2620'S/2510'E NW-NW-NW-SE, Sec. 9, T-21S, R-37E	COUNTY: Lea Co., NM
SPUD-TD DATE: 04/17/2007 - 04/23/2007	COMP. DATE: 5/18/2007
PREPARED BY: Michael Hunter	DATE: 4/29/2013

TD: 6900'	KB Elev. 3497'	KB Dist. H
PBTD: 6855'	Ground Elev. 3486'	KB to Ground 11'

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	8-5/8" (Cemented w/575sx, Circ. to surf.)	24.00	J-55	0.00	1,320.00
Prod. Casing	5-1/2" (Cemented w/1000sx, TOC @ 207' CBL)	17.00	J-55/L-80	0.00	6,900.00
Open Hole					
Tubing	2-7/8"	6.50	J-55	0.00	6,814.00

PRODUCTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	2-7/8" X 5-1/2" Tubing Anchor		5552.00
2	209 JTS 2-7/8" 6.5# J-55 TBG		
3	SN		6789.00
4	SS		6814.00
5			
6			
7			
8			
9			
10			

PRODUCTION ROD STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	68 JTS 1" KD RODS	1,700.00	
2	80 JTS 7/8" KD RODS	2,000.00	
3	120 JTS 3/4" KD RODS	3,000.00	
4	BHP: 2" X 1 1/2" X 24' RHBC W/RHR (05/17/2007)	24.00	
5			
6			
7			
8			
9			
10			

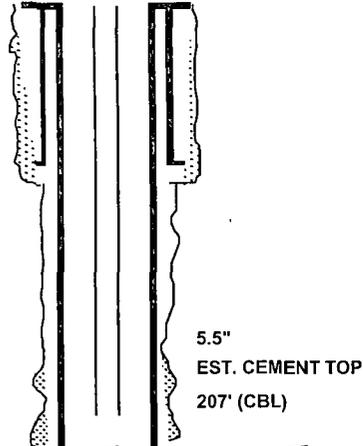
SURFACE EQUIPMENT

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

PERFORATIONS

Form.	Intervals	Density
Blinebry	5672-78', 5705-09', 28-32', 74-78', 5808-12', 24-28', 64-68', 6086-90', 6136-40' (Active)	2 SPF
Tubb	6156-60', 6263-67', 6304-08', 40-44' (Active)	2 SPF
Drinkard	6468-72', 6502-06', 86-90', 6610-14', 27-31', 46-50', 64-70' (Active)	2 SPF

SURF. CSG.



Blinebry Perfs

- 5672-78'
- 5705-09'
- 5728-32'
- 5774-78'
- 5808-12'
- 5824-28'
- 5864-68'
- 6086-90'
- 6136-40'

Tubb Perfs

- 6156-60'
- 6263-67'
- 6304-08'
- 6340-44'

Drinkard Perfs

- 6468-72'
- 6502-06'
- 6586-90'
- 6610-14'
- 6627-31'
- 6646-50'
- 6664-70'

PBTD: 6855'

TD: 6900'

Jul-17, 2009

Apache Corporation
WBDU #54 (Hawk B-1 #65)
WELL DIAGRAM (PROPOSED CONFIGURATION)



WELL NAME:	WBDU #54 (Hawk B-1 #65)	API:	30-025-38200
LOCATION:	2620'S/2510'E NW-NW-NW-SE, Sec. 9, T-21S, R-37E	COUNTY:	Lea Co., NM
SPUD-TD DATE:	04/17/2007 - 04/23/2007	COMP. DATE:	5/18/2007
PREPARED BY:	Michael Hunter	DATE:	4/29/2013
TD:	6900'	KB Elev.	3497'
PBTD:	6855'	Ground Elev.	3486'
		KB Dist. H	
		KB to Ground	11'

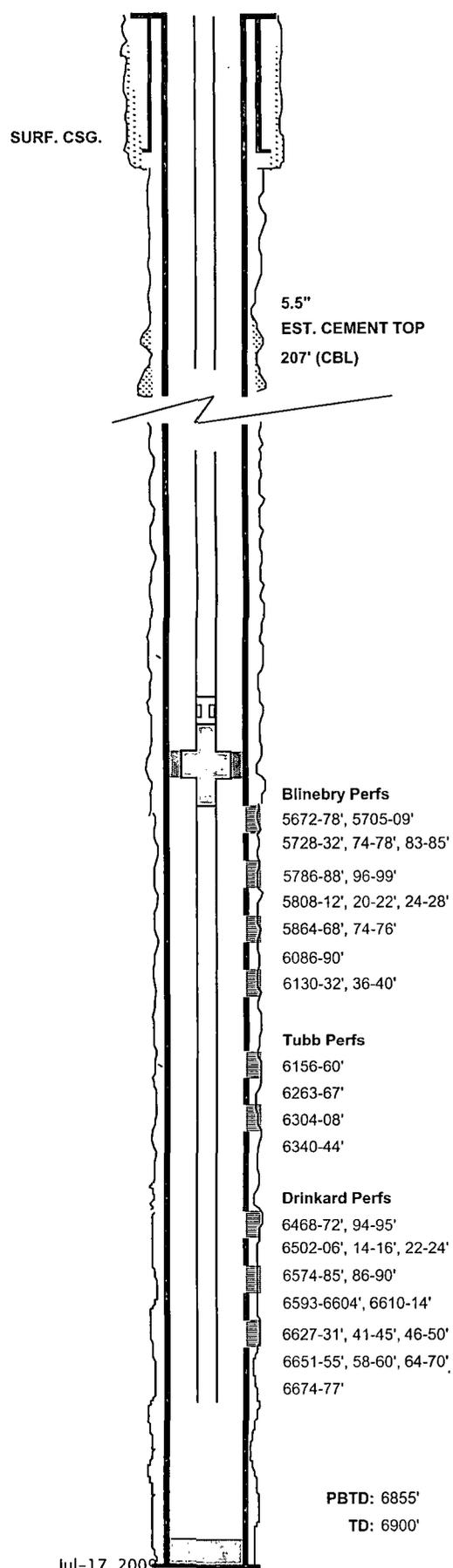
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	8-5/8" (Cemented w/575sx, Circ. to surf.)	24.00	J-55	0.00	1,320.00
Prod. Casing	5-1/2" (Cemented w/1000sx, TOC @ 207' CBL)	17.00	J-55/L-80	0.00	6,900.00
Open Hole					
Tubing	2-7/8"	6.50	J-55	0.00	6,814.00

PRODUCTION TBG STRING			
ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	2-7/8" X 5-1/2" Tubing Anchor		5552.00
2	209 JTS 2-7/8" 6.5# J-55 TBG		
3	SN		6789.00
4	SS		6814.00
5			
6			
7			
8			
9			
10			

PRODUCTION ROD STRING			
ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	68 JTS 1" KD RODS	1,700.00	
2	80 JTS 7/8" KD RODS	2,000.00	
3	112 JTS 3/4" KD RODS	2,800.00	
4	8 JTS 1-1/2" K BARS w/ 3/4" PIN N/N	200.00	
5	BHP: 2" X 1 1/2" X 24' RHCB W/RHR (NEW/RECONDITIONED)	24.00	
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	5672-78', 5705-09', 28-32', 74-78', 5808-12', 24-28', 64-68', 6086-90', 6136-40' (Active)	2 SPF
	5783-85', 86-88', 96-99', 5820-22', 74-76', 6130-32' (Proposed)	4 SPF
Tubb	6156-60', 6263-67', 6304-08', 40-44' (Active)	2 SPF
Drinkard	6468-72', 6502-06', 86-90', 6610-14', 27-31', 46-50', 64-70' (Active)	2 SPF
	6494-95', 6514-16', 22-24', 74-85', 6593-6604' (Proposed)	4 SPF
	6641-45', 51-55', 58-60', 74-77' (Proposed)	4 SPF



Jul-17, 2009

West Blinebry Drinkard Unit 54
30-025-38200
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 BLM.**
- 2. If CIT does not 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