

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM125057
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: REESA FISHER E-Mail: Reesa.Fisher@apachecorp.com		7. If Unit or CA/Agreement, Name and/or No. NMNM112723X
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1062	8. Well Name and No. EAST BLINEBRY DRINKARD UNIT 67
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T21S R37E SENE 2450FNL 990FEL		9. API Well No. 30-025-38771-00-S1
		10. Field and Pool or Exploratory Area EUNICE
		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 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"/> Hydraulic Fracturing	<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 Workover Operations
	<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 recompleate 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 recompleation 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 is requesting approval to perform a cleanout and work on this well, as follows:

1. POH with production equipment.
2. TIH with bit to clean out to PBTD.
3. Set a RBP above the existing Blinebry completion.
4. Squeeze Paddock perms from 5601 to 5605.
5. Drill out squeeze and release the RBP.
6. Set a RBP above the existing Tubb completion.
7. Perforate new Blinebry pay from 5717 to 5990. Existing Blinebry completion is from 5713 to 5861.
8. Restimulate the entire Blinebry with acid.
9. Pull RBP above the Tubb.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #403424 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 02/06/2018 (18PP0636SE)	
Name (Printed/Typed) REESA FISHER	Title SR STAFF REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/06/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>MUSTAFA HAQUE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>05/07/2018</u>
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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

MSS/OCD 5/24/2018

Additional data for EC transaction #403424 that would not fit on the form

32. Additional remarks, continued

10. Run production equipment and RWTP

Current WBD information attached.



Schematic - Current

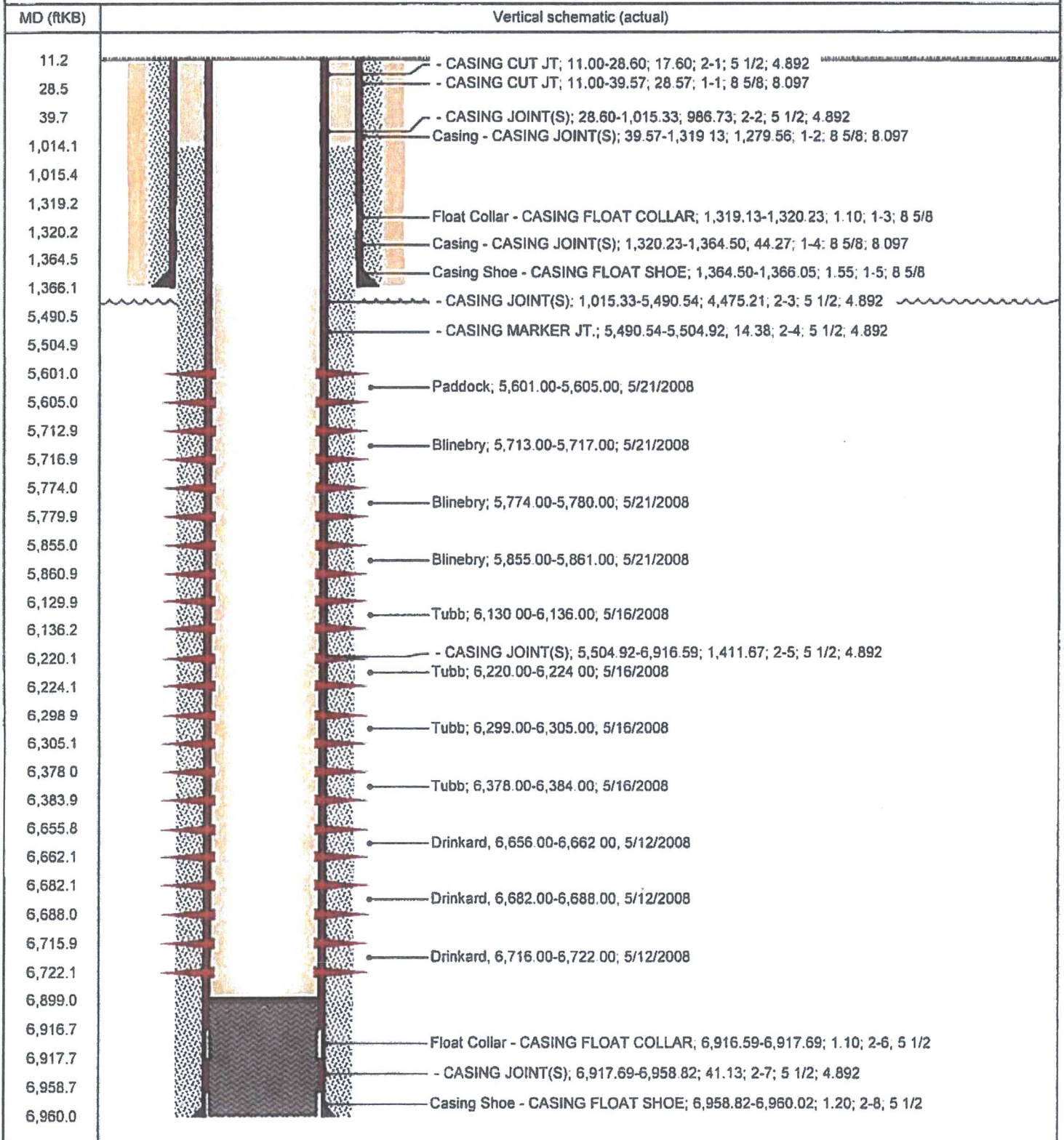
Well Name: EBDU 67

Reference Datum: KB

API/Surface Loc 3002538771		Surface Legal Location SEC 11-21S-37E, UNIT H, 2450' FNL & 990' FEL		Field Name EUNICE AREA (EBDU)		State/Province New Mexico		Well Purpose Production	
Spud Date 4/25/2008 18:30		Original KB Elevation (ft) 3,452.0		Ground Elevation (ft) 3,441.0			KB-Ground Distance (ft) 11.0		
Most Recent Job									
Job Category LOE		Primary Job Type LOE-Repair/Maint		Secondary Job Type Repair Tbg		Start Date 12/4/2014		End Date 12/4/2014	

TD: 6,960.0

Production - EAST BLINEBRY DRINKARD UNIT 67 - Original Hole, 2/6/2018 8:50:14 AM



Well Info

Legal Well Name: EAST BLINEBRY DRINKARD UNIT 67
 AP/Surface Loc: 3002536771
 Spud Date: 4/25/2008
 Original Drilling Rig Release: 5/6/2008
 Target Formation:
 Field Name: EURICE AREA (EBOU)
 County: Lea
 State/Province: New Mexico
 Surface Legal Location: SEC 11-21S-37E, UNIT H, 2457 FM, & 907
 FEL

Bottom Hole Location:

Bottom Hole Legal Location:
 EAST BLINEBRY DRINKARD UNIT 67 - Original Hole
 East-West Distance (ft): From E or W Line:
 EAST BLINEBRY DRINKARD UNIT 67 - Original Hole
 North-South Distance (ft): From N or S Line:
 Original Drilling Rig Release: 5/6/2008
 Original KB Elevation (ft): 3,452.0
 Ground Elevation (ft): 3,441.0

KB - Ground Distance (ft): 11.0

Total Depth (AK) (ft): Original Hole: 6,960.0

Total Depth AD (ft) (ft):

Stimulation Jobs

Volume Clean Total (ft):

Yield Clean - Recovered Volume (bb):

Proposed Total (ft):

Fract Rate Max (bb/min):

Fract Pressure Max (psi):

Number of Fracturing Intervals:

Min Top Depth (ft):

Max Bot Depth (ft):

Kick Offs & Key Depths

Type: Kick Off Top Depth (ft): 3,452.0

Total Depth (ft): 6,960.0

PDS (ft) (ft): Original Hole: 6,960.0

Perforations

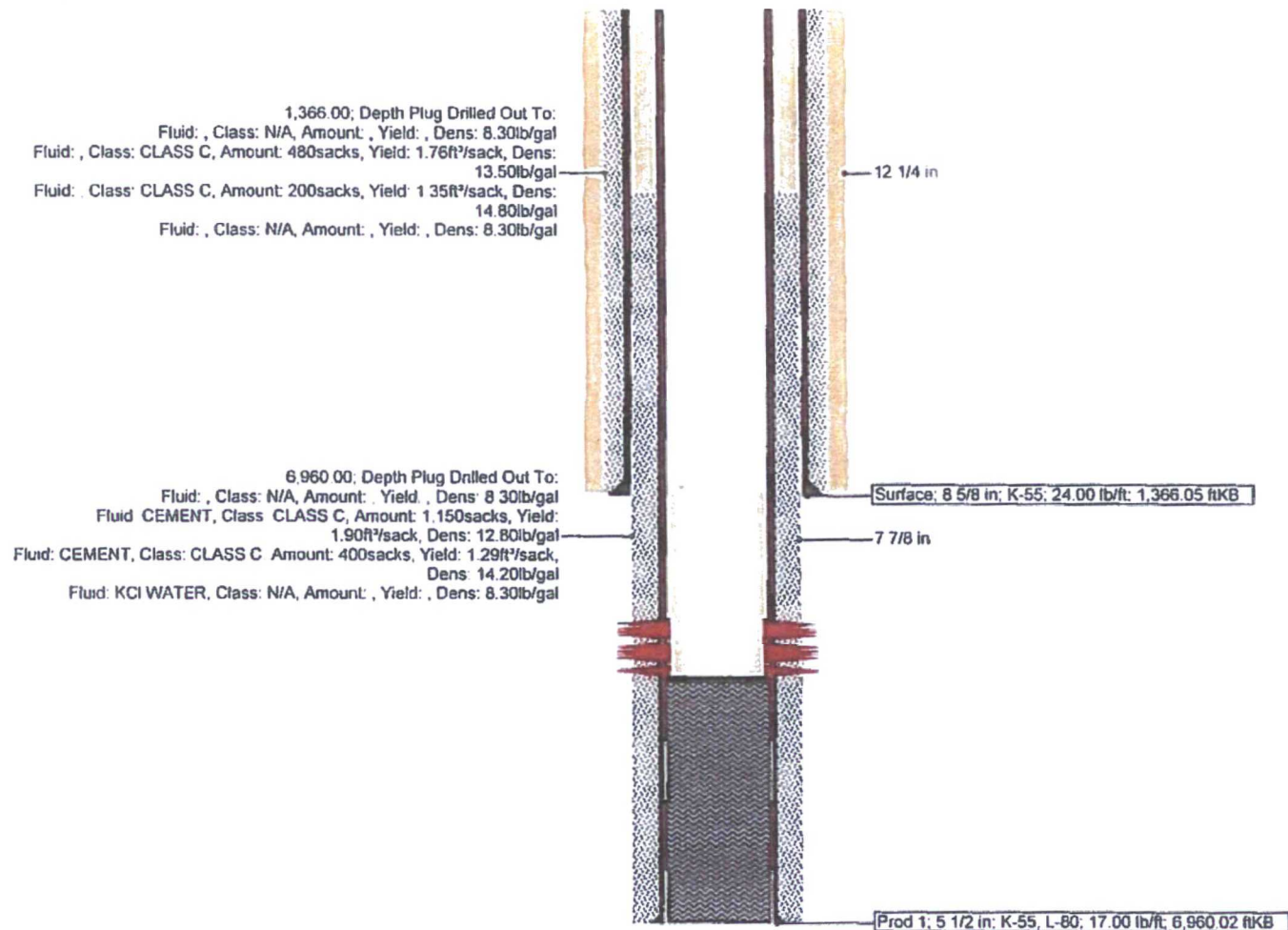
Top Depth (ft): 6,601

Top Depth (ft): 6,715

Bottom Depth (ft): 6,722

Production - EAST BLINEBRY DRINKARD UNIT 67 - Original Hole, 2/6/2018 8:50:02 AM

Vertical schematic (actual)





Downhole Well Profile w Cement

Well Name: EBDU 67

API/Surface Loc 3002538771	Surface Legal Location SEC 11-21S-37E, UNIT H, 2450' FNL & 990' FEL	Field Name EUNICE AREA (EBDU)	State/Province New Mexico
Spud Date 4/25/2008	Original KB Elevation (ft) 3,452.0	Ground Elevation (ft) 3,441.0	KB-Ground Distance (ft) 11.0
PBTD (All) (ftKB) Original Hole - 6,899	Total Depth (ftKB) 6,960.0	Comment	

Production - EAST BLINEBRY DRINKARD UNIT 67 - Original Hole, 4/26/2018...

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8 5/8	24.00	K-55	1,366.05
Prod 1	5 1/2	17.00	K-55	6,960.02

Cement

String Surface, 1,366.05ftKB, 8 5/8	Description SINGLE	Top Depth (ftKB) 11.00	Bottom Depth (ftKB) 1,366.00	Top Meas Meth Returns at Surface	Start Date 4/26/2008
String Prod 1, 6,960.02ftKB, 5 1/2	Description Cement Plug	Top Depth (ftKB) 6,899.00	Bottom Depth (ftKB) 6,960.00	Top Meas Meth Tag	Start Date 5/5/2008
String Prod 1, 6,960.02ftKB, 5 1/2	Description SINGLE	Top Depth (ftKB) 1,014.00	Bottom Depth (ftKB) 6,960.00	Top Meas Meth Log	Start Date 5/5/2008

Perforations

Date	Type	Prop?	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total
5/21/2008	Paddock	No	5,601	5,605	2.0	10
5/21/2008	Blinebry	No	5,713	5,717	2.0	10
5/21/2008	Blinebry	No	5,774	5,780	2.0	14
5/21/2008	Blinebry	No	5,855	5,861	2.0	14
5/16/2008	Tubb	No	6,130	6,136	2.0	14
5/16/2008	Tubb	No	6,220	6,224	2.0	10
5/16/2008	Tubb	No	6,299	6,305	2.0	14
5/16/2008	Tubb	No	6,378	6,384	2.0	14
5/12/2008	Drinkard	No	6,656	6,662	2.0	14
5/12/2008	Drinkard	No	6,682	6,688	2.0	14
5/12/2008	Drinkard	No	6,716	6,722	2.0	14

Plug Back Total Depths

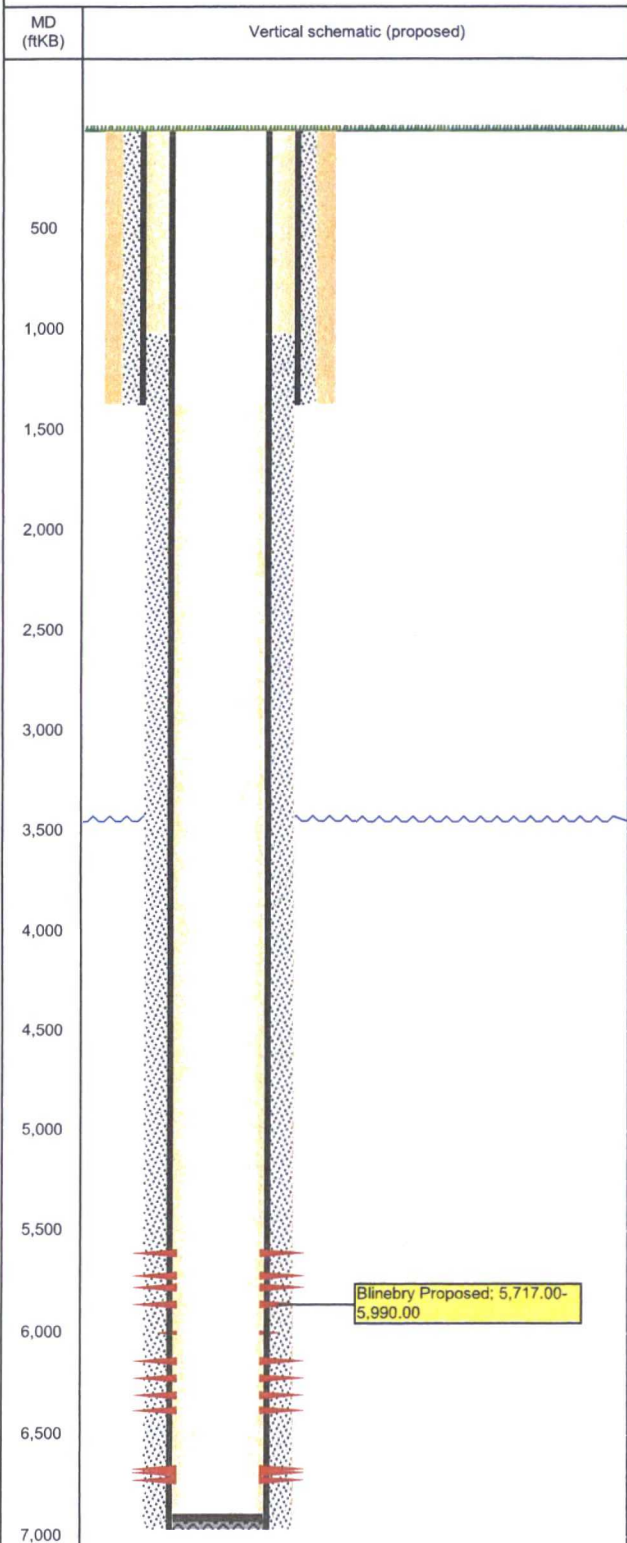
Date 5/12/2008	Type Cement Plug	Depth (ftKB) 6,899	Depth (TVD) (ftKB) 6,899
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Failed Component Links & Details

Category	Description	Failure Depth (ftKB)	Comp Des	Failure Date
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Comments

Comment





Permian Schematic - Current (Portrait)

Well Name: EBDU 67

Reference Datum: KB

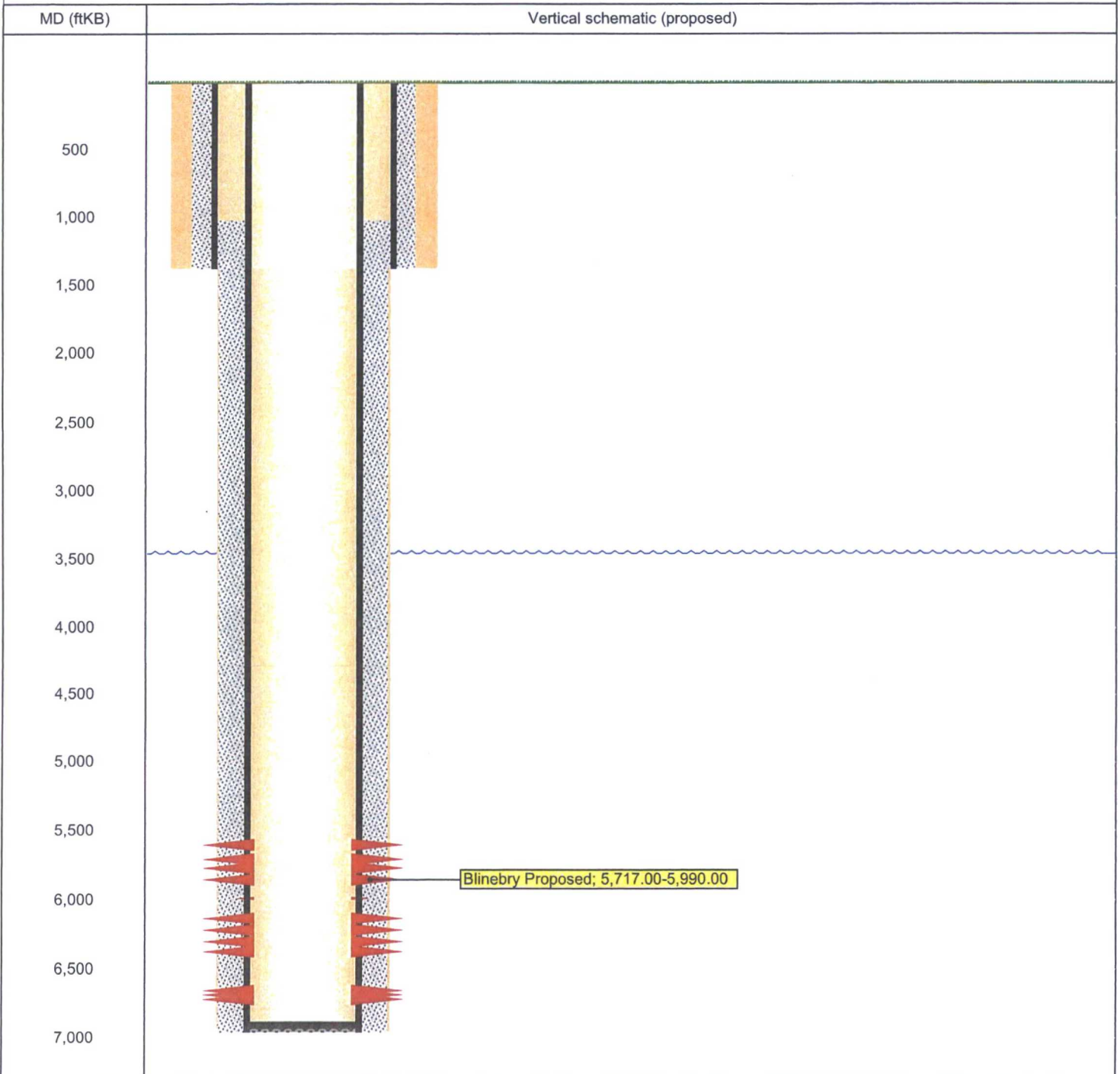
API/Surface Loc 3002538771	Surface Legal Location SEC 11-21S-37E, UNIT H, 2450' FNL & 990' FEL	Field Name EUNICE AREA (EBDU)	State/Province New Mexico	Well Purpose Production
Spud Date 4/25/2008 18:30	Original KB Elevation (ft) 3,452.0	Ground Elevation (ft) 3,441.0	KB-Ground Distance (ft) 11.0	
PBTD (All) (ftKB) Original Hole - 6,899		Total Depth All (TVD) (ftKB)		

Most Recent Job

Job Category LOE	Primary Job Type LOE-Repair/Maint	Secondary Job Type Repair Tbg - with Failure	Start Date 12/4/2014	End Date 12/4/2014
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TD: 6,960.0

Production - EAST BLINEBRY DRINKARD UNIT 67 - Original Hole, 4/26/2018 3:26:34 PM



Blinebry Proposed; 5,717.00-5,990.00



Permian Schematic - Current (Portrait)

Well Name: EBDU 67

Reference Datum: KB

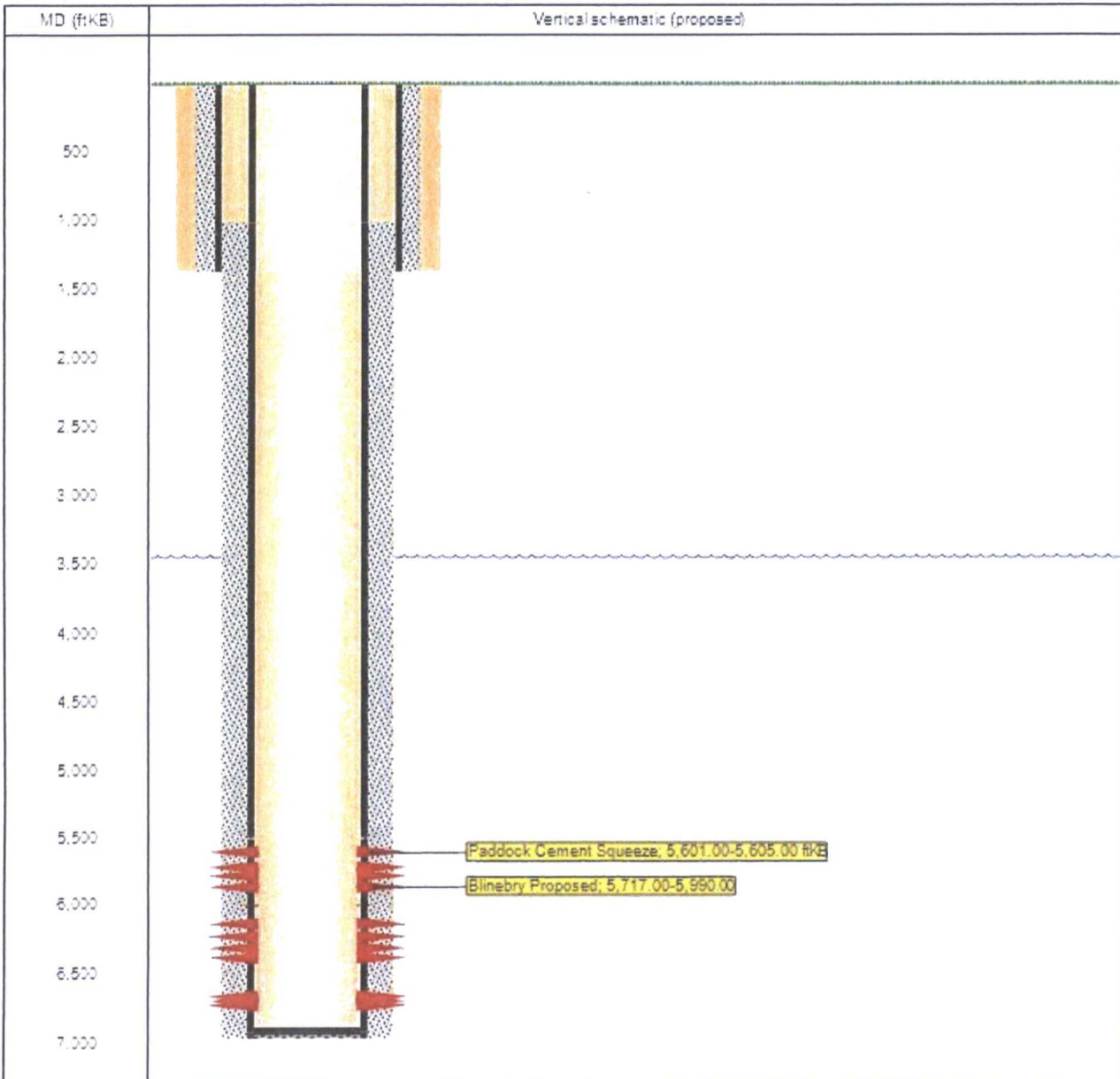
API#/Surface Loc 3002538771	Surface Legal Location SEC 11-21S-37E, UNIT H, 2450 FNL & 990 FEL	Field Name EUNICE AREA (EBDU)	State/Province New Mexico	Well Purpose Production
Solid Date 4/25/2008 18:30	Original KB Elevation (ft) 3,452.0	Ground Elevation (ft) 3,441.0	KB-Ground Distance (ft) 11.0	
FBTD (All) (ftKB) Original Hole - 6,899		Total Depth All (TVD) (ftKB)		

Most Recent Job

Job Category LOE	Primary Job Type LOE-Repair/Maint	Secondary Job Type Repair Tbg - with Failure	Start Date 12/4/2014	End Date 12/4/2014
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TD: 6,960.0

Production - EAST BLINEBRY DRINKARD UNIT 67 - Original Hole, 4/26/2018 3:32:45 PM



East Blinebry Drinkard Unit 67
30-025-38771
Apache Corporation
Conditions of Approval

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise. Exceptions to these restrictions may be granted by BLM's Cassandra Brooks <crbrooks@blm.gov> 575.234.2232

Notify BLM at 575-361-2822 (Eddy County) or 575-393-3612 (Lea County) a minimum of 24 hours prior to commencing work.

Work to be completed by August 7th, 2018

1. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.
2. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
3. Surface disturbance beyond the originally approved pad must have prior approval.
4. Closed loop system required.
5. 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.
6. Operator to have H2S monitoring equipment on location.

7. 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.
8. **Subsequent sundry required detailing work done, a C-102 form, and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**
9. **See attached for General Plugback Guidelines**

MHH 05072018

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Production Zone Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plug back operations shall commence within ninety (90) days from this approval. **If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.** If plugging back to a new zone submit a Completion Report, form 3160-4 with the Subsequent Report.

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.