

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCarlsbad Field Office
FORM APPROVED
BLM 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.*Lease Serial No.
NMNM125057

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2**HOBBS OGD**7. Unit or CA/Agreement, Name and/or No.
NMNM112723X

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: INJECTION**MAY 29 2018**

2. Name of Operator

APACHE CORPORATION

Contact: REESA FISHER

E-Mail: Reesa.Fisher@apachecorp.com

RECEIVED

8. Well Name and No.

EAST BLINEBRY DRINKARD UNIT 13

3a. Address

303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3b. Phone No. (include area code)

Ph: 432-818-1062

10. Field and Pool or Exploratory Area

EUNICE; B-T-D, NORTH

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 11 T21S R37E NENW 330FNL 1650FWL

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 recompleting 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 proposes the attached conformance procedure and WBD's to workover this injection well. (EBDU Waterflood Project Case 13503 R-12394)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #405834 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/12/2018 ()

Name (Printed/Typed) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/27/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Mustafa Haguel</u>	Title <u>Engineer</u>	Date <u>5/24/2018</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 <u>CFO</u>

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****MSB/ocb 5/31/2018

East Blinebry Drinkard Unit (EBDU) #13W

API No. 30-025-06476

Proposed conformance procedure to workover this injection well

1. MIRU PU. Blow down the well and kill as needed. ND WH. NU BOP. Release the injection packer and TOH with the injection tubing and packer.
2. PU and TIH with 2-7/8" work string and bit to 6,200'. TOH with work string and bit.
3. TIH with CIBP and work string. Set CIBP at ~6,150' and cap with ^{35' of} ~~2 sacks~~ of Class "C" cement. *or 25 Sacks*
4. TOH with work string. TIH with CIBP and work string. Set CIBP at ~5,760'.
5. TIH with packer and work string. Set packer ~5,650'. Establish an injection rate with water. Squeeze perforations 5,713' – 5,731' with Class "C" cement. Release packer and TOH. SWION.
6. TIH with bit and work string. Tag top of cement. Drill out cement and tag top of cement above CIBP at ~6,150'. TOH with work string and bit.
7. MIRU WL truck. Perforate additional Blinebry pay as needed to be in conformance with offset Blinebry producers. POH with wire line and RDMO WL truck.
8. TIH with treating packer and work string. Set packer at ~50' above the top Blinebry perforation. MIRU stimulation equipment. Acidize the Blinebry using graded rock salt as a diverting agent. Leave the well shut in for 3 hours. Release the treating packer and wash out any salt. TOH with work string and treating packer.
9. TIH with injection packer, profile nipple, on/off tool and work string. Set injection packer ~50' above the top Blinebry perforations. Drop blanking plug and seat in profile nipple. Release from the injection packer. TOH & LD work string.
10. TIH with existing injection tubing with on/off tool. Circulate packer fluid and latch onto injection packer. ND BOP. NU WH. Pressure test the casing to 500 psig for 30 minutes.
11. Schedule and run a MIT for the NMOCD. Turn well to injection.

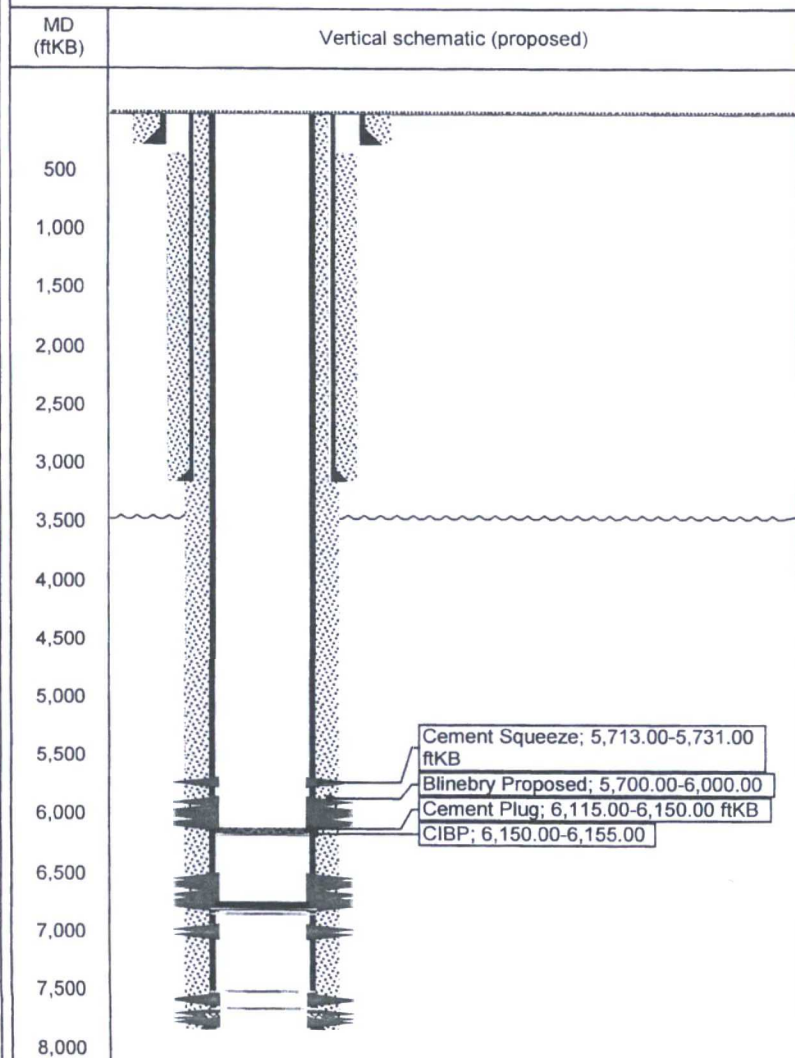


Proposed

Well Name: EBDU 13W

Legal Well Name EAST BLINEBRY DRINKARD UNIT 013W		Common Well Name EBDU 13W		Wellbore API/UWI (API 12 Digits)	
Ground Elevation (ft) 3,451.0	Original KB Elevation (ft) 3,462.0	Surface Legal Location 330' FNL, 1650' FWL, Unit C, Sec 11, T-21S, R-37E		PBTD (All) (ftKB) Original Hole - 6,777	Total Depth (ftKB) 7,811.0

Injection - EAST BLINEBRY DRINKARD UNIT 13 - Original Hole. 2/26/2018 11:39:...



Current Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
Surface	13 1/2	11.0	272.0	11/21/1951
Inter 1	9 7/8	272.0	3,149.0	11/25/1951
Prod 1	7 7/8	3,149.0	7,811.0	11/30/1951

Existing Casing

Csg Des	OD (in)	Wt (lb/ft)	Grade	Set Depth (ftKB)
Surface	10 3/4	32.00	H-40	272.00
Inter 1	7 5/8	26.40	J-55	3,149.00
Prod 1	5 1/2	15.50	J-55	7,811.00

Existing Cement

String	Des	Top (ftKB)	Btm (ftKB)	Top Meas Meth
Surface, 272.00ftKB, 10 3/4	Primary Cement	11.00	272.00	Returns at Surface
Inter 1, 3,149.00ftKB, 7 5/8	Primary Cement	340.00	3,149.00	Temperture Survey
Prod 1, 7,811.00ftKB, 5 1/2	Cement Plug	7,804.00	7,811.00	Tag
Prod 1, 7,811.00ftKB, 5 1/2	Primary Cement	11.00	7,811.00	Returns at Surface
Prod 1, 7,811.00ftKB, 5 1/2	Cement Squeeze	7,670.00	7,780.00	
Prod 1, 7,811.00ftKB, 5 1/2	Abandonment Plug	7,623.00	7,628.00	
Prod 1, 7,811.00ftKB, 5 1/2	Abandonment Plug	6,777.00	6,782.00	

Proposed Cement

String	Description	Top Depth (ftKB)	Bottom Depth (ftKB)	Top Measurement Method
Prod 1, 7,811.00ftKB, 5 1/2	Cement Plug	6,115.00	6,150.00	
Prod 1, 7,811.00ftKB, 5 1/2	Cement Squeeze	5,713.00	5,731.00	

Existing Perforations

Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,713	5,887	1.0	74
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,943	5,943	1.0	1
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,945	5,945	1.0	1
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,962	5,962	1.0	1
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,977	5,977	1.0	1
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,988	5,988	1.0	1
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,995	5,995	1.0	1

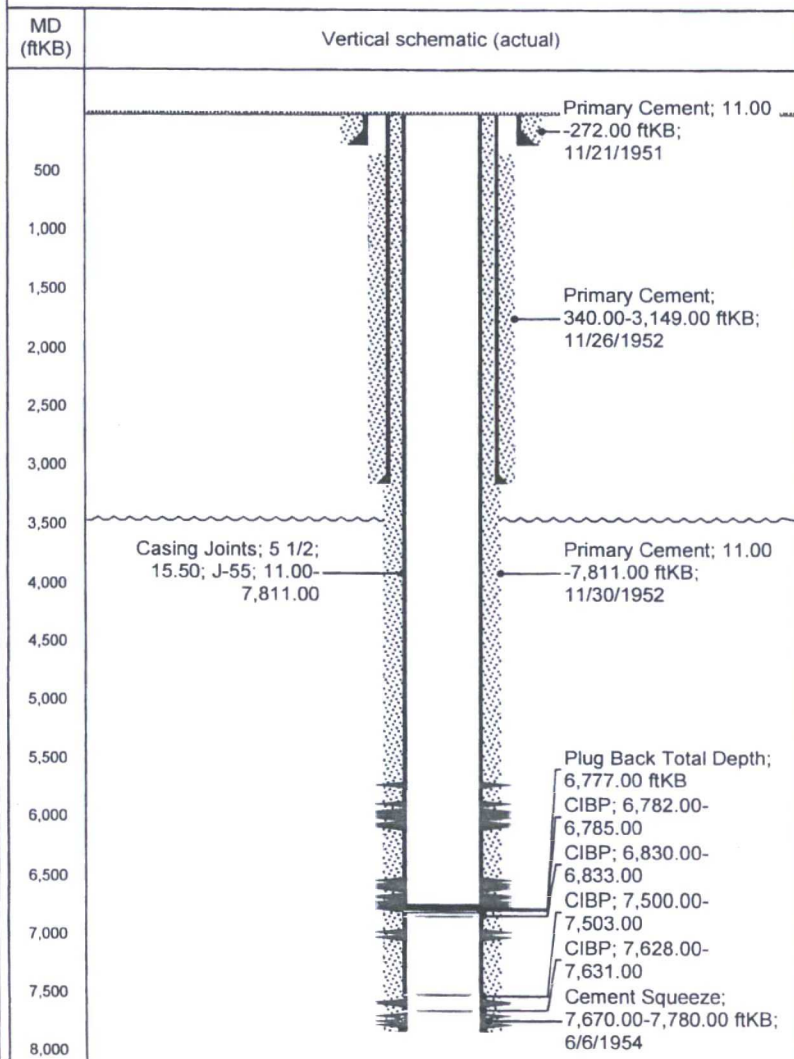


Existing

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Injection - EAST BLINEBRY DRINKARD UNIT 13 - Original Hole, 2/26/2018 11:14:...



Current Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
Surface	13 1/2	11.0	272.0	11/21/1951
Inter 1	9 7/8	272.0	3,149.0	11/25/1951
Prod 1	7 7/8	3,149.0	7,811.0	11/30/1951

Existing Casing

Csg Des	OD (in)	Wt (lb/ft)	Grade	Set Depth (ftKB)
Surface	10 3/4	32.00	H-40	272.00
Inter 1	7 5/8	26.40	J-55	3,149.00
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Existing Cement

String	Des	Top (ftKB)	Btm (ftKB)	Top Meas Meth
Surface, 272.00ftKB, 10 3/4	Primary Cement	11.00	272.00	Returns at Surface
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Prod 1, 7,811.00ftKB, 5 1/2	Abandonment Plug	7,623.00	7,628.00	
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Existing Perforations

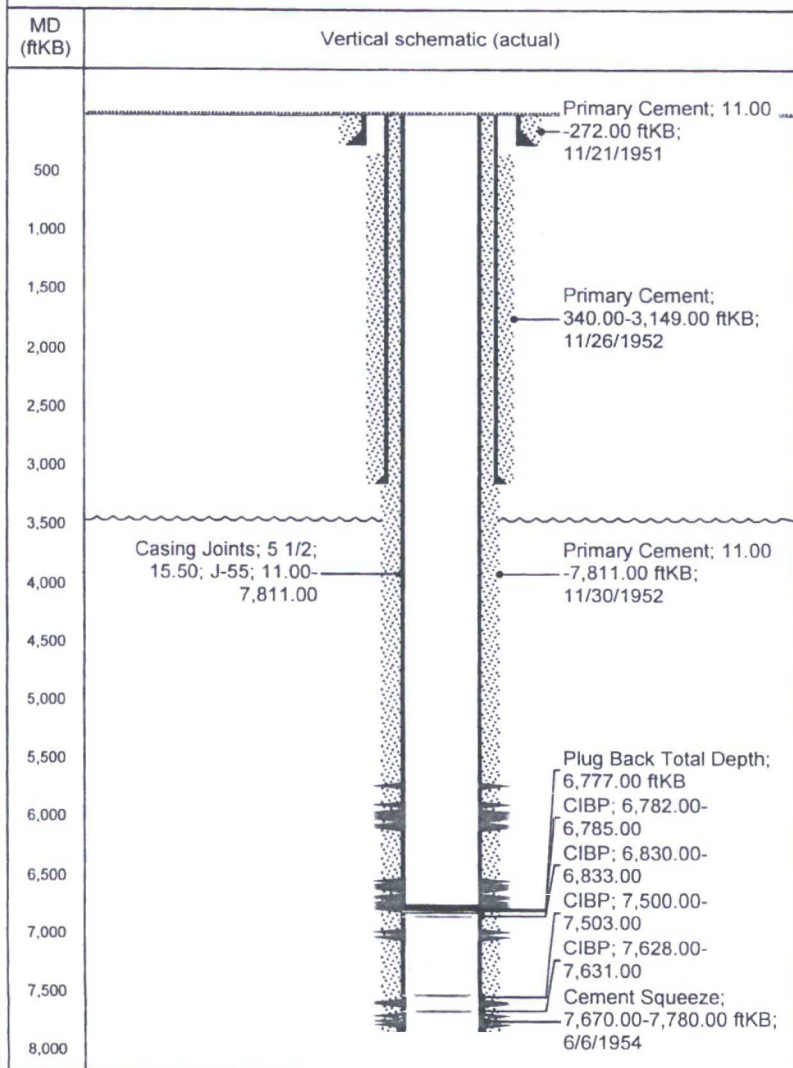
Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Shot Density (shots/ft)	Entered Shot Total
Blinebry	5,713	5,887	1.0	74
Type Blinebry	Top Depth (ftKB) 5,943	Bottom Depth (ftKB) 5,943	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 5,945	Bottom Depth (ftKB) 5,945	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 5,962	Bottom Depth (ftKB) 5,962	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 5,977	Bottom Depth (ftKB) 5,977	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 5,988	Bottom Depth (ftKB) 5,988	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 5,995	Bottom Depth (ftKB) 5,995	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,003	Bottom Depth (ftKB) 6,003	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,050	Bottom Depth (ftKB) 6,050	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,052	Bottom Depth (ftKB) 6,052	Shot Density (shots/ft) 1.0	Entered Shot Total 1



Well Name: EBDU 13W

Existing

Injection - EAST BLINEBRY DRINKARD UNIT 13 - Original Hole, 2/26/2018 11:14:...



Existing Perforations

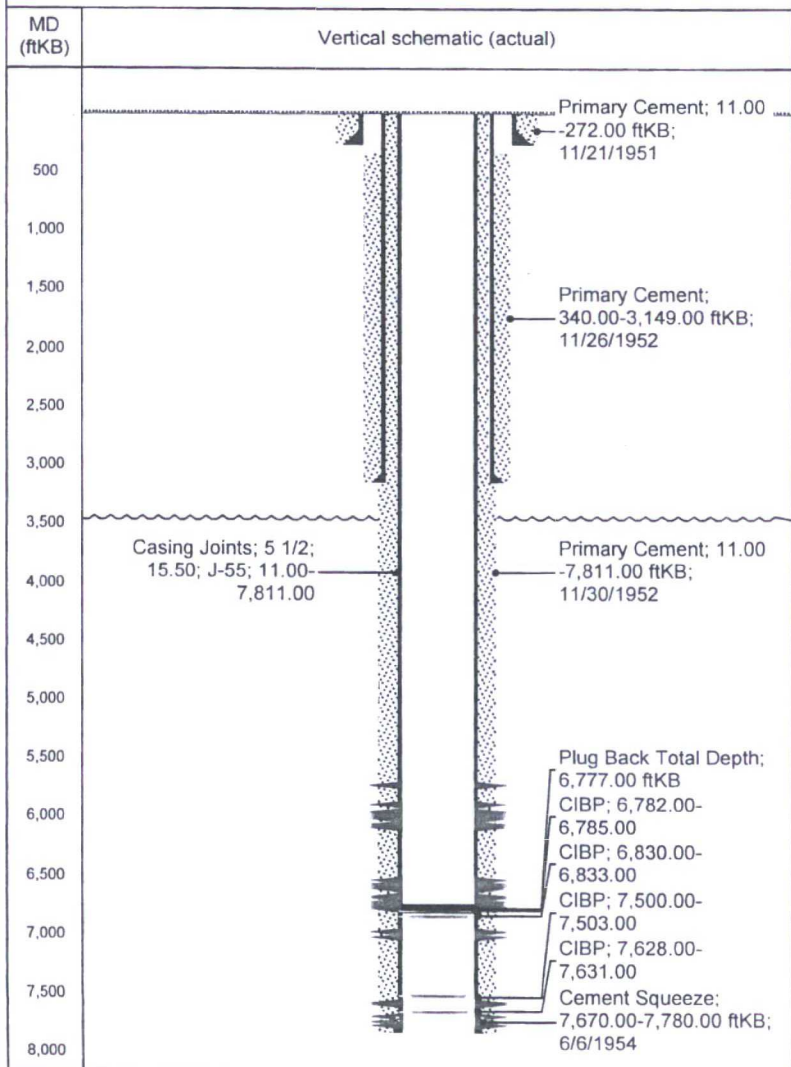
Type Blinebry	Top Depth (ftKB) 6,056	Bottom Depth (ftKB) 6,056	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,058	Bottom Depth (ftKB) 6,058	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,064	Bottom Depth (ftKB) 6,064	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,071	Bottom Depth (ftKB) 6,071	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,075	Bottom Depth (ftKB) 6,075	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Blinebry	Top Depth (ftKB) 6,077	Bottom Depth (ftKB) 6,077	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,536	Bottom Depth (ftKB) 6,536	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,556	Bottom Depth (ftKB) 6,556	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,568	Bottom Depth (ftKB) 6,568	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,585	Bottom Depth (ftKB) 6,585	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,611	Bottom Depth (ftKB) 6,611	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,662	Bottom Depth (ftKB) 6,662	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,670	Bottom Depth (ftKB) 6,670	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,687	Bottom Depth (ftKB) 6,687	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,711	Bottom Depth (ftKB) 6,711	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,730	Bottom Depth (ftKB) 6,730	Shot Density (shots/ft) 1.0	Entered Shot Total 1
Type Drinkard	Top Depth (ftKB) 6,744	Bottom Depth (ftKB) 6,757	Shot Density (shots/ft) 4.0	Entered Shot Total 56
Type Drinkard	Top Depth (ftKB) 6,761	Bottom Depth (ftKB) 6,765	Shot Density (shots/ft) 4.0	Entered Shot Total 20
Type Drinkard	Top Depth (ftKB) 6,773	Bottom Depth (ftKB) 6,777	Shot Density (shots/ft) 4.0	Entered Shot Total 20
Type Abo Suspended	Top Depth (ftKB) 6,960	Bottom Depth (ftKB) 6,985	Shot Density (shots/ft) 2.0	Entered Shot Total 52
Type Abo Suspended	Top Depth (ftKB) 7,010	Bottom Depth (ftKB) 7,045	Shot Density (shots/ft) 2.0	Entered Shot Total 72
Type Connell Suspended	Top Depth (ftKB) 7,550	Bottom Depth (ftKB) 7,558	Shot Density (shots/ft) 2.0	Entered Shot Total 18
Type Abo Suspended	Top Depth (ftKB) 7,550	Bottom Depth (ftKB) 7,580	Shot Density (shots/ft) 2.0	Entered Shot Total 62
Type Connell Suspended	Top Depth (ftKB) 7,563	Bottom Depth (ftKB) 7,580	Shot Density (shots/ft) 2.0	Entered Shot Total 36
Type Ellenberger Sqz'd	Top Depth (ftKB) 7,674	Bottom Depth (ftKB) 7,714	Shot Density (shots/ft) 4.0	Entered Shot Total 162
Type Ellenberger Sqz'd	Top Depth (ftKB) 7,726	Bottom Depth (ftKB) 7,747	Shot Density (shots/ft) 4.0	Entered Shot Total 86



Well Name: EBDU 13W

Existing

Injection - EAST BLINEBRY DRINKARD UNIT 13 - Original Hole. 2/26/2018 11:14:...



Existing Perforations

Type Ellenberger Suspended	Top Depth (ftKB) 7,749	Bottom Depth (ftKB) 7,770	Shot Density (shots/ft) 4.0	Entered Shot Total 84
Type Ellenberger Sqz'd	Top Depth (ftKB) 7,755	Bottom Depth (ftKB) 7,776	Shot Density (shots/ft) 4.0	Entered Shot Total 86

Conditions of Approval

**Apache Corporation
East Blinebry Drinkard unit 13
API 3002506476
May 22, 2018**

1. Notify BLM 575-361-2822 before plug back procedures. The procedures are to be witnessed.
2. Surface disturbance beyond the existing pad must have prior approval.
3. Casing added or replaced requires a prior notice of intent (BLM Form 3160-5) approval of the design.
4. Closed loop system required. 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 work string shall be adequate. Tapered work strings will require an additional pipe ram.

Well with a Packer - Operations

- 1) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established. Repair that seal any time more than five barrels of packer fluid is replaced within 30 days.
 - a) The minimum test pressure should be 500 psig for 30 minutes, with 200 psig differentials between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
 - b) Document the pressure test on a calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
 - c) At least 24 hours before the test in Eddy County call: phone 575-361-2822 and in Lea County call: phone 575-393-3612. Note the contact notification method, time, & date in your subsequent report.
 - d) Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOCD is to retain the original recorded MIT chart.