

|                   |                     |                 |           |             |                 |
|-------------------|---------------------|-----------------|-----------|-------------|-----------------|
| DATE IN<br>1/7/13 | SUSPENSE<br>1/23/13 | ENGINEER<br>WJD | LOGGED IN | TYPE<br>SWD | APP NO.<br>PWVJ |
|-------------------|---------------------|-----------------|-----------|-------------|-----------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

|                     |                     |                                    |                |
|---------------------|---------------------|------------------------------------|----------------|
| <u>DARRIN STEED</u> | <u>Darrin Steed</u> | <u>SR. STAFF PROD ENG</u>          | <u>1/15/13</u> |
| Print or Type Name  | Signature           | Title                              | Date           |
|                     |                     | <u>Darrin.Steed@Apachecorp.com</u> |                |
|                     |                     | e-mail Address                     |                |

**APPLICATION FOR AUTHORIZATION TO INJECT**

I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☒ Yes ☐ No

II. OPERATOR: Apache Corporation

ADDRESS: 303 Veterans Airpark Lane, Suite 3000, Midland, TX 79705

CONTACT PARTY: Darrin Steed

PHONE: 432-818-1076

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☒ Yes ☐ No

If yes, give the Division order number authorizing the project: R-12394

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

\*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

\*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

\*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: DARRIN STEED

TITLE: Sr Staff Production Eng.

SIGNATURE: Darrin Steed

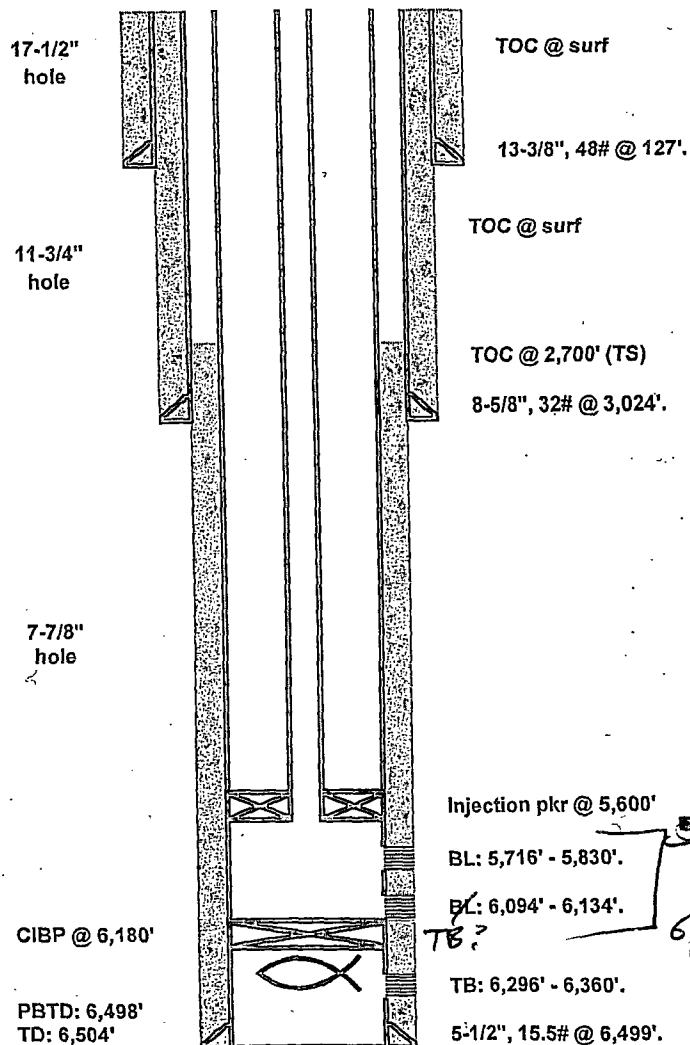
DATE: 12/17/12

E-MAIL ADDRESS: Darrin.Steed@Apachecorp.com

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.  
Please show the date and circumstances of the earlier submittal: June 16, 2005; Unitization hearing

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

## INJECTION WELL DATA SHEET

OPERATOR: Apache CorporationWELL NAME & NUMBER: East Blinebry Drinkard Unit #55WELL LOCATION: 660' FNL & 860' FWL  
FOOTAGE LOCATIOND  
UNIT LETTER13  
SECTIONT-21-S  
TOWNSHIPR-37-E  
RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17 1/2" Casing Size: 13 3/8" @ 127'  
 Cemented with: 150 sx. or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: Surface Method Determined: Visual

Intermediate Casing

Hole Size: 11 3/4" Casing Size: 8 5/8" @ 3,024'  
 Cemented with: 2,508 sx. or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: Surface Method Determined: Circ

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2" @ 6,499'  
 Cemented with: 800 sx. or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: 2,700' Method Determined: Temp Survey

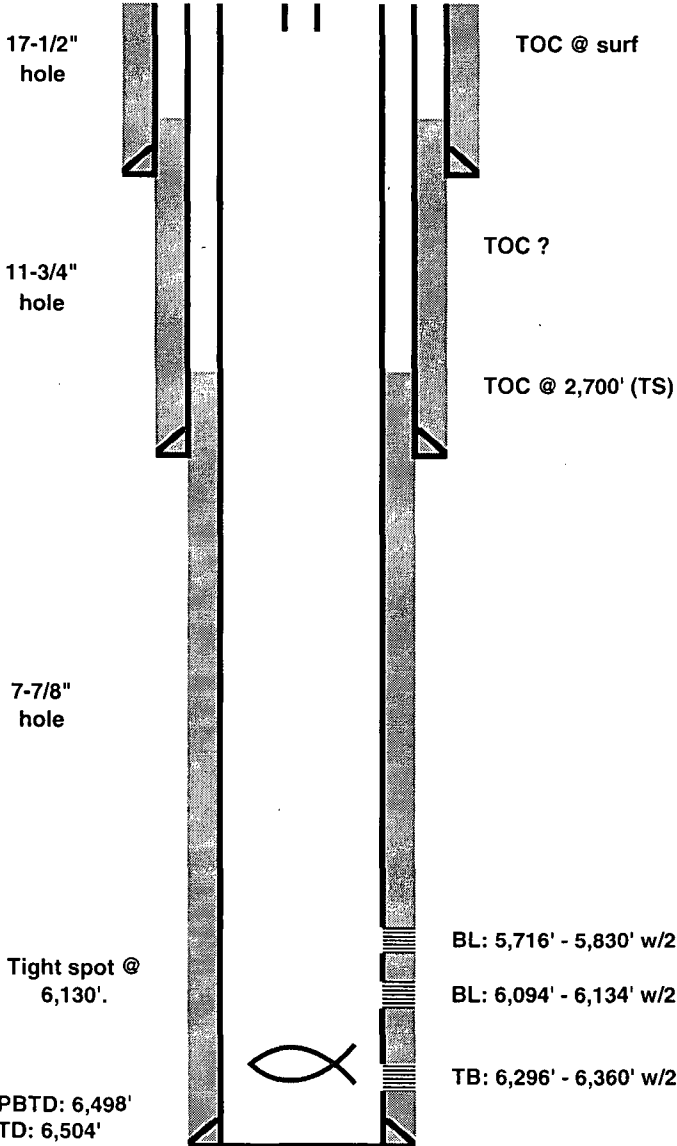
Total Depth: 6,504'Injection Interval5,650' feet to 6,150'

(Perforated or Open Hole; indicate which)

3-025-06568

| Apache Corporation |                    |             |
|--------------------|--------------------|-------------|
| Co. Rep            |                    |             |
| Well Name          | EBDU               | Well No. 55 |
| Field              | Eunice Area (EBDU) |             |
| County             | Lea                |             |
| State              | New Mexico         |             |
| Date               | 11/15/2012         |             |
| GL                 | 3,433'             |             |
| KB corr            | 11'                |             |

| Casing | O.D. (in) | Grade | Wt (#/ft) | Depth (ft) | TOC (ft) |
|--------|-----------|-------|-----------|------------|----------|
| Surf   | 13-3/8"   |       | 48        | 139'       | Surf     |
| Inter  | 8-5/8"    | J-55  | 32        | 3,024'     | ?        |
| Prod   | 5-1/2"    |       | 15.5      | 6,499'     | 2,700'   |
| Liner  |           |       |           |            |          |



| Depth  | Description                            |
|--------|--|
| 6,253' | Top of fish. See well history 8/25/11. |
|        |  |
|        |  |
|        |  |
|        |  |
|        |  |
|        |  |

(EXISTING)

BL: 5,716' - 5,830' w/2 JSPF

BL: 6,094' - 6,134' w/2 JSPF

TB: 6,296' - 6,360' w/2 JSPF (56 holes).

PBTD: 6,498'  
TD: 6,504'

**INJECTION WELL DATA SHEET**

Tubing Size: 2 3/8" Lining Material: Plastic

Type of Packer: Baker Lockset (Nickel Plated)

Packer Setting Depth: 5,600'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes X No

If no, for what purpose was the well originally drilled? Producer

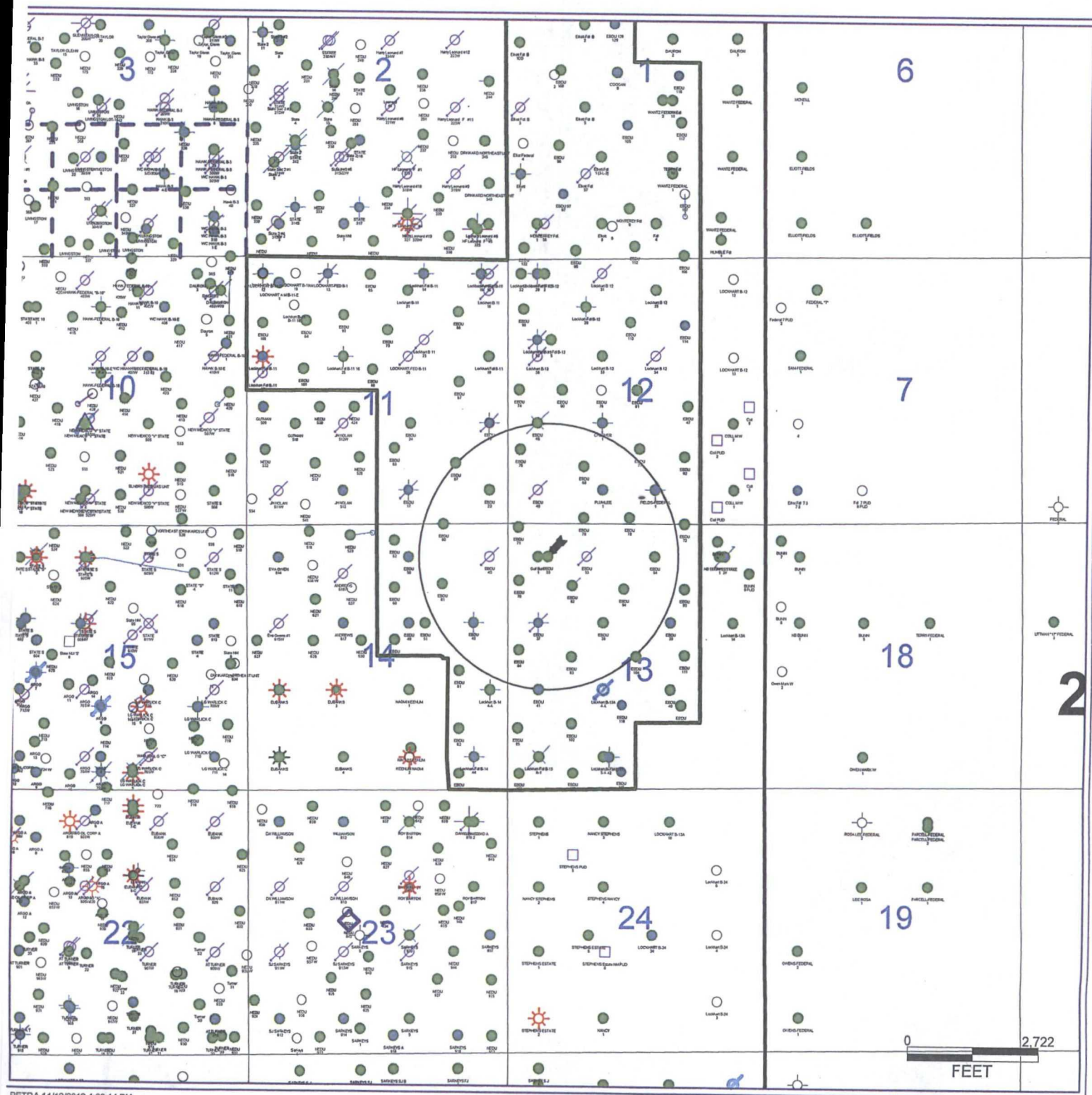
2. Name of the Injection Formation: Blinebry

3. Name of Field or Pool (if applicable): North Eunice / Blinebry – Tubb – Drinkard

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Tubb: 6,296' – 6,360'

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Drinkard: 6,530'; Grayburg: 3,800'

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



| OPERATOR           | LEASE NAME                  | WELL # | LOCATION                       | FOOTAGE                 | TYPE | API        | SPUD DATE | TD     |
|--------------------|-----------------------------|--------|--------------------------------|-------------------------|------|------------|-----------|--------|
| Apache Corporation | East Blinebry Drinkard Unit | 22     | Unit P, Sec 11, T-21-S, R-37-E | 660' FSL & 330' FEL     | OIL  | 3002506528 | 06/1956   | 5,900' |
| Apache Corporation | East Blinebry Drinkard Unit | 87     | Unit P, Sec 11, T-21-S, R-37-E | 1,185' FSL & 1,060' FEL | OIL  | 3002539406 | 08/2009   | 6,950' |
| Apache Corporation | East Blinebry Drinkard Unit | 46     | Unit L, Sec 12, T-21-S, R-37-E | 1,980' FSL & 660' FWL   | TA   | 3002506552 | 10/1955   | 5,950' |
| Apache Corporation | East Blinebry Drinkard Unit | 75     | Unit L, Sec 12, T-21-S, R-37-E | 1,450' FSL & 265' FWL   | OIL  | 3002539012 | 08/2008   | 6,985' |
| Apache Corporation | East Blinebry Drinkard Unit | 48     | Unit M, Sec 12, T-21-S, R-37-E | 660' FSL & 660' FWL     | INJ  | 3002506550 | 03/1956   | 5,920' |
| Apache Corporation | Plumlee                     | 1      | Unit N, Sec 12, T-21-S, R-37-E | 660' FSL & 1,980' FWL   | OIL  | 3002506554 | 03/1952   | 7,674' |
| Apache Corporation | East Blinebry Drinkard Unit | 68     | Unit N, Sec 12, T-21-S, R-37-E | 1,120' FSL & 1,550' FWL | OIL  | 3002538500 | 02/2008   | 7,000' |
| Apache Corporation | East Blinebry Drinkard Unit | 78     | Unit N, Sec 12, T-21-S, R-37-E | 110' FSL & 2,480' FWL   | OIL  | 3002539274 | 10/2009   | 7,045' |
| Apache Corporation | East Blinebry Drinkard Unit | 79     | Unit N, Sec 12, T-21-S, R-37-E | 110' FSL & 1,550' FWL   | OIL  | 3002539378 | 09/2009   | 6,997' |
| Apache Corporation | Fields                      | 1      | Unit O, Sec 12, T-21-S, R-37-E | 660' FSL & 2,310' FEL   | P&A  | 3002506553 | 03/1956   | 5,938' |
| Apache Corporation | East Blinebry Drinkard Unit | 54     | Unit B, Sec 13, T-21-S, R-37-E | 660' FNL & 2,310' FEL   | OIL  | 3002506567 | 02/1955   | 6,300' |
| Apache Corporation | East Blinebry Drinkard Unit | 53     | Unit C, Sec 13, T-21-S, R-37-E | 660' FNL & 1,650' FWL   | INJ  | 3002506566 | 05/1954   | 6,010' |
| Apache Corporation | East Blinebry Drinkard Unit | 94     | Unit C, Sec 13, T-21-S, R-37-E | 1,310' FNL & 2,365' FWL | OIL  | 3002539035 | 10/2008   | 7,045' |
| Apache Corporation | East Blinebry Drinkard Unit | 82     | Unit C, Sec 13, T-21-S, R-37-E | 1,090' FNL & 1,485' FWL | OIL  | 3002539568 | 12/2009   | 7,550' |
| Apache Corporation | Gulf Bunin                  | 1      | Unit D, Sec 13, T-21-S, R-37-E | 660' FNL & 660' FWL     | OIL  | 3002506563 | 01/1953   | 7,145' |
| Apache Corporation | East Blinebry Drinkard Unit | 55     | Unit D, Sec 13, T-21-S, R-37-E | 660' FNL & 860' FWL     | OIL  | 3002506568 | 02/1956   | 6,504' |
| Apache Corporation | East Blinebry Drinkard Unit | 70     | Unit D, Sec 13, T-21-S, R-37-E | 1,145' FNL & 235' FWL   | OIL  | 3002538501 | 01/2008   | 6,950' |
| Apache Corporation | East Blinebry Drinkard Unit | 71     | Unit D, Sec 13, T-21-S, R-37-E | 80' FNL & 225' FWL      | OIL  | 3002538536 | 01/2008   | 7,000' |
| Apache Corporation | East Blinebry Drinkard Unit | 37     | Unit E, Sec 13, T-21-S, R-37-E | 1,980' FNL & 660' FWL   | INJ  | 3002506556 | 08/1953   | 6,750' |
| Apache Corporation | East Blinebry Drinkard Unit | 84     | Unit E, Sec 13, T-21-S, R-37-E | 2,530' FNL & 235' FWL   | OIL  | 3002539675 | 07/2010   | 7,325' |
| Apache Corporation | East Blinebry Drinkard Unit | 38     | Unit F, Sec 13, T-21-S, R-37-E | 1,980' FNL & 1,980' FWL | OIL  | 3002506557 | 01/1955   | 6,050' |
| Apache Corporation | East Blinebry Drinkard Unit | 41     | Unit L, Sec 13, T-21-S, R-37-E | 1,980' FSL & 660' FWL   | OIL  | 3002506562 | 07/1955   | 5,938' |
| Apache Corporation | East Blinebry Drinkard Unit | 83     | Unit L, Sec 13, T-21-S, R-37-E | 2,630' FSL & 1,300' FWL | OIL  | 3002539459 | 09/2009   | 7,000' |
| Apache Corporation | East Blinebry Drinkard Unit | 45     | Unit A, Sec 14, T-21-S, R-37-E | 660' FNL & 330' FEL     | INJ  | 3002506575 | 06/1956   | 5,900' |
| Apache Corporation | East Blinebry Drinkard Unit | 80     | Unit A, Sec 14, T-21-S, R-37-E | 10' FNL & 1,310' FEL    | OIL  | 3002539674 | 03/2010   | 6,815' |
| Apache Corporation | East Blinebry Drinkard Unit | 81     | Unit B, Sec 14, T-21-S, R-37-E | 1,205' FNL & 1,330' FEL | OIL  | 3002539057 | 09/2008   | 6,925' |
| Apache Corporation | East Blinebry Drinkard Unit | 43     | Unit H, Sec 14, T-21-S, R-37-E | 1,980' FNL & 660' FEL   | OIL  | 3002506573 | 10/1952   | 6,648' |

| CONSTRUCTION  | TOP OF<br>CEMENT |
|---|------------------|
| 8-5/8" @ 1,400' CMT w/750 sx; 5-1/2" @ 5,899' CMT w/3,200 sx                              | surf             |
| 8-5/8" @ 1,390' CMT w/650 sx; 5-1/2" @ 6,950' CMT w/1,000 sx                              | surf             |
| 13-3/8" @ 299' CMT w/300 sx; 8-5/8" @ 3,237' CMT w/1,500 sx; 5-1/2" @ 5,937' CMT w/100 sx | 5,035'           |
| 8-5/8" @ 1,425' CMT w/850 sx; 5-1/2" @ 6,985' CMT w/1,482 sx                              | 1,410'           |
| 13-3/8" @ 314' CMT w/300 sx; 8-5/8" @ 3,248' CMT w/1,500 sx; 5-1/2" @ 5,919' CMT w/100 sx | 5,457'           |
| 13-3/8" @ 210' CMT w/250 sx; 8-5/8" @ 3,182' CMT w/2,200 sx; 5-1/2" @ 6,950' CMT w/50 sx  | 5,300'           |
| 8-5/8" @ 1,450' CMT w/650 sx; 5-1/2" @ 7,000' CMT w/1,150 sx                              | 230'             |
| 8-5/8" @ 1,495' CMT w/700 sx; 5-1/2" @ 7,045' CMT w/1,200 sx                              | 50'              |
| 8-5/8" @ 1,460' CMT w/650 sx; 5-1/2" @ 6,997' CMT w/1,000 sx                              | 70'              |
| 13-3/8" @ 314' CMT w/300 sx; 8-5/8" @ 3,249' CMT w/1,250 sx; 5-1/2" @ 5,937' CMT w/100 sx | 2,821'           |
| 12-3/4" @ 126' CMT w/125 sx; 9-5/8" @ 3,054' CMT w/2,000 sx; 7" @ 6,295' CMT w/700 sx     | 2,576'           |
| 13-3/8" @ 190' CMT w/430 sx; 9-5/8" @ 3,000' CMT w/1,225 sx; 7" @ 6,010' CMT w/500 sx     | 3,350'           |
| 8-5/8" @ 1,470' CMT w/750 sx; 5-1/2" @ 7,045' CMT w/1,600 sx                              | 70'              |
| 8-5/8" @ 1,392' CMT w/650 sx; 5-1/2" @ 7,550' CMT w/1,200 sx                              | surf             |
| 13-3/8" @ 183' CMT w/200 sx; 8-5/8" @ 2,868' CMT w/1,150 sx; 5-1/2" @ 6,680' CMT w/600 sx | 2,667'           |
| 13-3/8" @ 127' CMT w/150 sx; 8-5/8" @ 3,024' CMT w/2,508 sx; 5-1/2" @ 6,499' CMT w/800 sx | 2,806'           |
| 8-5/8" @ 1,390' CMT w/650 sx; 5-1/2" @ 6,950' CMT w/1,150 sx                              | 84'              |
| 8-5/8" @ 1,407' CMT w/650 sx; 5-1/2" @ 7,000' CMT w/1,200 sx                              | 50'              |
| 13-3/8" @ 262' CMT w/250 sx; 9-5/8" @ 3,149' CMT w/1,675 sx; 7" @ 6,748' CMT w/651 sx     | 3,286'           |
| 8-5/8" @ 1,407' CMT w/750 sx; 5-1/2" @ 7,325' CMT w/1,530 sx                              | 50'              |
| 10-3/4" @ 253' CMT w/250 sx; 7-5/8" @ 3,149' CMT w/1,155 sx; 5-1/2" @ 6,048' CMT w/646 sx | 3,066'           |
| 10-3/4" @ 258' CMT w/200 sx; 7-5/8" @ 3,099' CMT w/1,295 sx; 5-1/2" @ 5,984' CMT w/460 sx | 4,068'           |
| 8-5/8" @ 1,420' CMT w/650 sx; 5-1/2" @ 7,000' CMT w/2,350 sx                              | surf             |
| 8-5/8" @ 1,411' CMT w/725 sx; 5-1/2" @ 5,899' CMT w/2,575 sx                              | surf             |
| 8-5/8" @ 1,352' CMT w/700 sx; 5-1/2" @ 6,815' CMT w/1,150 sx                              | 150'             |
| 8-5/8" @ 1,375' CMT w/700 sx; 5-1/2" @ 6,925' CMT w/1,600 sx                              | 114'             |
| 13-3/8" @ 250' CMT w/250 sx; 9-5/8" @ 3,149' CMT w/1,570 sx; 7" @ 6,583' CMT w/625 sx     | 3,250'           |



## COMPLETIONS & COMMENTS

07/56: 5,704' - 5,883'

09/09: 5,649' - 6,734'

11/55: 5,870' - 5,900'; 06/70: 5,724' - 5,918'; 02/82: 5,631' - 5,918'. TA'd.

5,658' - 6,772'

04/56: 5,720' - 5,815'

5/52: 6,950' - 7,510'; 02/55: CIBP @ 6,750'; Sqzd 200 sx thru holes; @ 6,150' (TOC @ 5,300'; 5,750' - 5,870'; 08/73: Sqzd 5,750' - 5,870' & CO; CIBP @ 6,875';

perf 6,575' - 6,837'; 03/80: Sqzd csg leak 3,500' - 4,675'; 11/86: Sqzd 6,575' - 6,837' & CO to O.H.

5,732' - 6,755'

5,747' - 6,811'

5,692' - 6,777'

04/56: 5,759' - 5,882'; 10/71: Sqzd 5,360' - 5,380' w/550 sx; 06/05: P&A

09/55: 5,780' - 5,970'

10/54: 5,702' - 5,888'

5,736' - 6,470'

5,724' - 6,754'

6,994' - 7,165' O.H.

03/56: 5,716' - 5,830'

5,663' - 6,716'

5,644' - 6,770'

10/53: 6,622' - 6,703'; 06/55: 5,680' - 5,890'; BP @ 6,250'

5,652' - 6,716'

03/55: 5,720' - 6,036'

09/55: 5,646' - 5,842'

5,686' - 6,747'

07/56: 5,693' - 5,877'

5,624' - 6,715'

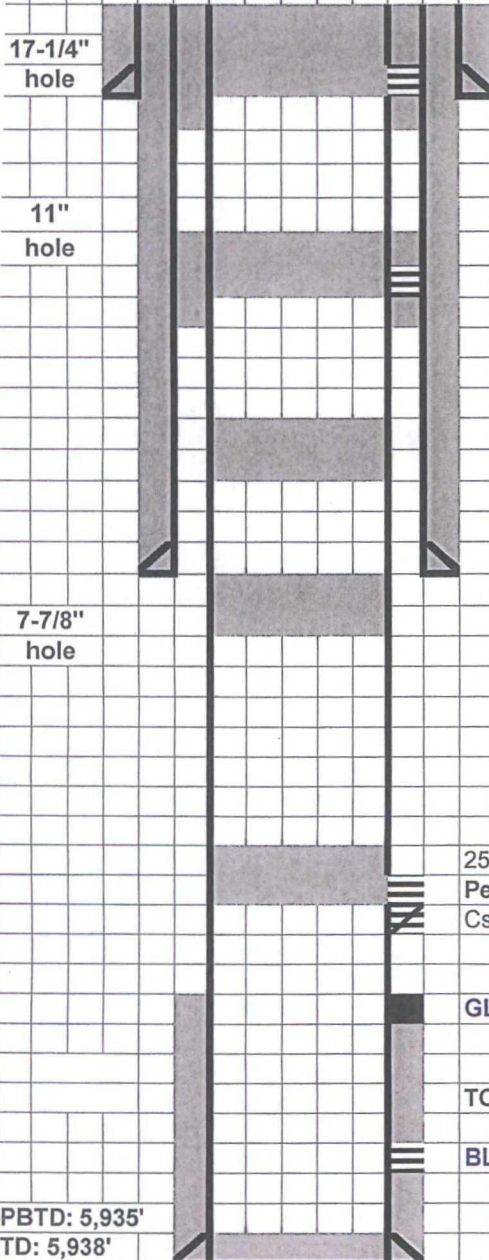
5,629' - 6,702'

12/52: 6,583' - 6,648' & 5,742' - 6,563' O.H. 06/58: 5,728' - 5,882'

# Apache Corporation

|           |            |            |
|-----------|------------|------------|
| Co. Rep   |            | Well No. 1 |
| Well Name | Fields     |            |
| Field     | Drinkard   |            |
| County    | Lea        |            |
| State     | New Mexico |            |
| Date      | 11/14/2012 |            |
| GL        | 3,463'     |            |
| KB corr   | 11'        |            |

| Casing | O.D.    | Grade | Wt    | Depth  | TOC    |
|--------|---------|-------|-------|--------|--------|
| Surf   | 13-3/8" |       | 48#   | 314'   | Surf   |
| Inter  | 8-5/8"  |       | 32#   | 3,249' | Surf   |
| Prod   | 5-1/2"  |       | 15.5# | 5,937' | 5,556' |
| Liner  |         |       |       |        |        |



Perf'd @ 364' cmt w/40 sx cmt to surf.

TOC @ Surf

TOC @ Surf

Perf'd @ 1,400'. Sqz'd 40 sx cmt.

25 sx cmt fr/2,061' - 2,308'.

25 sx cmt fr/3,058' - 3,306'.

25 sx cmt fr/4,928' - 5,146'.

Perf'd @ 5,100'

Csg lk: 5,118'

GL: 5,360' - 5,380' w/1 JSPF (20 holes).

TOC @ 5,556'

BL: 5,759' - 5,882' w/4 JSPF (244 holes).

PBTD: 5,935'

TD: 5,938'

| Depth           | Description  |
|-----------------|--|
| 4,928' - 5,146' | 25 sx Cmt plug   |
| 3,058' - 3,306' | 25 sx Cmt plug   |
| 2,061' - 2,308' | 25 sx Cmt plug   |
| 5,118'          | Perfs fr/5,360' - 5,380' sqz'd in 1971.<br>Csg lk sqz'd 1971 |

ITEM VII OF NEW MEXICO OCD FORM C-108  
DATA ON PROPOSED OPERATIONS  
EAST BLINEBRY DRINKARD UNIT

- 1) Proposed average initial injection rate is 250 bwpd.  
Maximum injection rate should not exceed 500 bwpd.
- 2) The injection system will be operated as a closed system.
- 3) Proposed average initial injection pressure is 1130 psi (0.2 psi/ft).  
Proposed maximum pressure will not exceed the pressure limitations ordered by the Division.
- 4) Source of water will be reinjected produced water.
- 5) Not applicable.



# Affidavit of Publication

State of New Mexico,  
County of Lea.

I, JUDY HANNA  
PUBLISHER

of the Hobbs News-Sun, a  
newspaper published at Hobbs, New  
Mexico, do solemnly swear that the  
clipping attached hereto was  
published in the regular and entire  
issue of said newspaper, and not a  
supplement thereof for a period

of 1 issue(s).

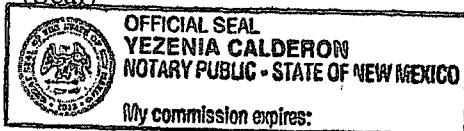
Beginning with the issue dated  
December 05, 2012  
and ending with the issue dated  
December 05, 2012

  
PUBLISHER

Sworn and subscribed to before me  
this 5th day of  
December, 2012

  
Notary Public

My commission expires  
February 28, 2016  
(Seal)



This newspaper is duly qualified to  
publish legal notices or  
advertisements within the meaning of  
Section 3, Chapter 167, Laws of  
1937 and payment of fees for said  
publication has been made.

LEGAL

LEGAL

LEGAL

## LEGAL NOTICE December 5, 2012

Notice is hereby given of the application of

Apache Corporation,  
303 Veterans Airpark Lane, Suite 3000, Midland, Texas 79705, to the Oil Conservation of  
the State of New Mexico, and the Commissioner of Public Lands, State of New Mexico for  
approval to convert the East Blinbry Drinkard Unit #55 to an injection well. Injection into  
this well is designed to enhance production from the East Blinbry Drinkard Unit. The well  
is in the following location in Lea County, New Mexico:

| Well # | Sec-Town-Range | Unit<br>Letter | Surface Location    | Bottom Hole Location |
|--------|----------------|----------------|---------------------|----------------------|
| 55     | 13-21S- 37E    | D              | 660' FNL & 860' FWL | 660' FNL & 860' FWL  |

Produced water from the East Blinbry Drinkard Unit will be injected into the Blinbry -  
Tubb - Drinkard pool of the North Eunice field at a depth of 5,716'. Water injection in this  
well will be at an expected maximum rate of 500 barrels of water per day and an expected  
maximum surface pressure of 1130 psi. For additional information, please contact Darrin  
Steed, 432-818-1076, at Apache Corporation, 303 Veterans Airpark Lane, Suite 3000,  
Midland, TX 79705.

Interested Parties must file objections or requests for hearing with the Oil Conservation  
Division, 1220 South St Francis, Santa Fe, NM 87505, within 15 days of this notice.  
#27750

67109885                      00105505  
APACHE CORPORATION  
303 VETERANS AIRPARK LN  
SUITE 3000  
MIDLAND, TX 79705



December 18, 2012

N.B. Bunin Properties  
Attn: Mike Krom  
1496 Guadalupe Bend  
Boerne, TX 78006

Re: Application for Authorization to Inject  
East Blinbry Drinkard Unit ("EBDU")  
EBDU #55, 660 FNL & 860' FWL  
Section 13, Township 21 South, Range 37 East  
Lea County, New Mexico

Dear Mr. Krom:

Enclosed you will find a copy of Apache Corporation's ("Apache") Application for Authorization to Inject. Apache is applying to convert the EBDU #55 well to an injection well. You have 15 days from receipt of this letter to file objections, if any, or request a hearing with the Oil Conservation Division, located at 1220 South Francis Dr., Santa Fe, NM 87505.

Should you have any questions concerning this matter, please do not hesitate contacting the undersigned at (432) 818-1097, or our Sr. Staff Production Engineer, Darrin Steed, at (432) 818-1076.

Sincerely,

**APACHE CORPORATION**

Dylan C. Park  
Landman  
(432) 818-1197 Fax  
[dylan.park@apachecorp.com](mailto:dylan.park@apachecorp.com)

## SENDER: COMPLETE THIS SECTION

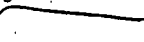
- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  
☒ Print your name and address on the reverse so that we can return the card to you.  
☒ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DEC 21 2012  
NB Bunin Properties  
Attn: Mike Krom  
1496 Guadalupe Bend  
Boerne, TX 78006

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent☒ Addressee

B. Received by (Printed Name)

Michael Krom

C. Date of Delivery

12-21-12

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☒ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7012 1640 0001 6933 3196

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

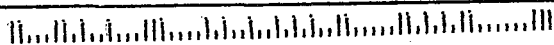
UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Apache Corporation  
Attn: Kelsey Grisham  
303 Veterans Airpark Lane  
Suite 3000  
Midland, TX 79705



**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Sunday, January 13, 2013 7:33 PM  
**To:** 'darrin.steed@apachecorp.com'  
**Cc:** Ezeanyim, Richard, EMNRD; Gonzales, Elidio L, EMNRD  
**Subject:** Waterflood Expansion application from Apache Corp: East Blinebry Drinkard Unit #55  
30-025-06568

Hello Darrin,  
"long time no talk"!!  
Glad you are back working NM. You could send me a new Outlook Contact info attachment if you want?

Thanks for the efficient application,

✓ I can't find any elogs on this old well in our system. If your well file contains any logs, would you please send copies to our Hobbs district office?

✓ yes  
Is the surface owner Mr. Unin? found the API number.

✓ Would you send a quick wellbore diagram of how the well is equipped and perfed now, before the conversion? The well file showed the lower interval as being "tubb" and had a proposal to add lower perms... not sure if this was done.

✓ We have IPI-292 on file granting 2100 psi to all injection wells in this waterflood project, so the permit we issue in this case will likely contain that pressure number unless you have other information or think it should be limited.

Happy New Year,

William V. Jones, P.E.  
505-476-3448W 505-476-3462F  
Engineering Bureau, Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

**Jones, William V., EMNRD**

---

**From:** Grisham, Kelsey <Kelsey.Grisham@apachecorp.com>  
**Sent:** Tuesday, January 15, 2013 1:11 PM  
**To:** Jones, William V., EMNRD  
**Subject:** Waterflood Expansion application from Apache Corp: East Blinebry Drinkard Unit #55  
30-025-06568

Mr. Jones,

I sent a copy of our only open-hole log to the Hobbs district office this morning. It should be there by tomorrow (1/16/13). Please let me know if there is any additional information needed for the application.

Thank you,

Kelsey Grisham  
Apache Corporation  
Engineering Tech  
Direct: 432-818-1904





## Jones, William V., EMNRD

---

**From:** Steed, Darrin <Darrin.Steed@apachecorp.com>  
**Sent:** Monday, January 14, 2013 4:08 PM  
**To:** Jones, William V., EMNRD; Grisham, Kelsey  
**Cc:** Ezeanyim, Richard, EMNRD; Gonzales, Elidio L, EMNRD  
**Subject:** RE: Waterflood Expansion application from Apache Corp: East Blinebry Drinkard Unit # 55 30-025-06568  
**Attachments:** Darrin Steed P E .vcf; EBDU #55 WB diagram.xlsx

Just one of a few around here that know New Mexico is "One of the Fifty".



I'll look to see what we have here as far as logs go.

Mr. Bunin is the surface owner.

Current wellbore diagram is now attached.

Didn't know if the current injection pressure would apply to a new injection well. Good to know. I just stuck with the 0.2 psig/ft.

*Darrin L Steed, P.E.*  
Sr Staff Production Engineer  
Apache Corp - Permian Region  
Office - (432) 818-1076  
Cell - (432) 413-8279  
Fax - (432) 818-1190

---

**From:** Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]  
**Sent:** Sunday, January 13, 2013 8:33 PM  
**To:** Steed, Darrin  
**Cc:** Ezeanyim, Richard, EMNRD; Gonzales, Elidio L, EMNRD  
**Subject:** Waterflood Expansion application from Apache Corp: East Blinebry Drinkard Unit #55 30-025-06568

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Happy New Year,

William V. Jones, P.E.

505-476-3448W 505-476-3462F

Engineering Bureau, Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, January 15, 2013 1:54 PM  
**To:** 'Grisham, Kelsey'  
**Cc:** darrin.steed@apachecorp.com  
**Subject:** RE: Waterflood Expansion application from Apache Corp: East Blinebry Drinkard Unit # 55 30-025-06568

Kelsey,  
Would you email a signed "Administrative Application Checklist" form?  
This is the first unnumbered form under "Forms" on the OCD web site.

This form should be in front of all administrative applications sent here.

I will try to get this one ready to release early next week.

Thank You,

Will Jones

---

**From:** Grisham, Kelsey [<mailto:Kelsey.Grisham@apachecorp.com>]  
**Sent:** Tuesday, January 15, 2013 1:11 PM  
**To:** Jones, William V., EMNRD  
**Subject:** Waterflood Expansion application from Apache Corp: East Blinebry Drinkard Unit #55 30-025-06568

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Thank you,

Kelsey Grisham  
Apache Corporation  
Engineering Tech  
Direct: 432-818-1904

*Apache*

# Injection Permit Checklist

First Email Date: 1/13/13

Final Reply Date: 1/15/13

Final Notice Date: 12/24/12

Issued Permit: Type: WFX/PMX/SWD, Number: 904

Permit Date: 1/21/13

Legacy Permit: R-12394

# Wells: 1 Well Name(s): EAST BLUEBRY-DRINKARD UNIT #55

API Num: 30-0 25-06568 Spud Date: 2/17/96 New/Old: O (UIC CI II Primacy March 7, 1982)

Footages: 660 FNL/860 FUL Lot: Unit D Sec 13 Tsp 215 Rge 37E County LEA

General Location or Pool Area: N. BUNICE; BL-TB-DR 22900

Operator: APACHE CORP Contact: DARRIN STOOD

OGRID: 873 RULE 5.9 Compliance (Wells): OK (Finan Assur): OK IS 5.9 OK? OK

Well File Reviewed: Current Status:

Planned Work to Well:

Diagrams: Before Conversion After Conversion Are Elogs in Imaging?: NO LOGS

| Well Details:                        | Sizes<br>Hole.....Pipe | Setting<br>Depths | Stage<br>Tool | Cement<br>Sx or Cf | Cement Top and<br>Determination Method |
|--------------------------------------|------------------------|-------------------|---------------|--------------------|--|
| Planned ___ or Existing ___ Surface  | 17 1/2 - 13 3/8        | 127'              | -             | 150 SX             | CIRC                                   |
| Planned ___ or Existing ___ Interm   | 11 3/4 - 8 5/8         | 302'              | -             | 250 SX             | CIRC                                   |
| Planned ___ or Existing ___ LongSt   | 7 7/8 - 6 1/2          | 6,499 (504 TD)    |               | 800 SX             | 2700' T.S.                             |
| Planned ___ or Existing ___ Liner    |                        |                   |               |                    |  |
| Planned ___ or Existing ___ OpenHole |                        |                   |               |                    |  |

| Depths/Formations:        | Depths, Ft. | Formation | Tops? |
|---------------------------|-------------|-----------|-------|
| Above                     |             |           |       |
| Above                     |             |           |       |
| Proposed Interval TOP:    | 5650        | BLINBY    |       |
| Proposed Interval BOTTOM: | 6150'       | TUBB      |       |
| Below                     |             |           |       |
| Below                     |             |           |       |

Capitan Reef? (in thru) Polash? Noticed? WIPR? Noticed? Salado Top Bot Cliff House?

Fresh Water: MaxDepth: FW Formation Wells? Analysis? Affirmative Statement

Disposal Fluid: Formation Source(s) RE-INJECT On Lease Only from Operator or Commercial

Disposal Interval: Protectable Waters? NO H/C Potential: Log /Mudlog /DST /Tested /Depleted Other

Notice: Newspaper Post Date 12/5/12 Surface Owner Mincem Fee N. Date 12/21/12

RULE 26.7(A) Identified Tracts? Affected Persons: N.B. BURNIN N. Date 12/21/12

AOR: Maps? Well List? Producing in Interval? yes Formerly Produced in Interval? yes

Penetrating.....No. Active Wells 26 Num Repairs? 0 on which well(s)?

Penetrating.....No. P&Aed Wells 1 Num Repairs? 0 on which well(s)? Diagrams?

Permit Conditions:

Issues:

Issues:

Issues: