

WFX-857

DATE IN 11/20/09	SUSPENSE	ENGINEER Warmill	LOGGED IN 11/20/09	TYPE WFX	PT6W	APP NO. 0932454411
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



Apache

WBOU # 137

ADMINISTRATIVE APPLICATION CHECKLIST

30-075-39574

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 _____

West Blinberry
 Drinkard WF
 Unit

R-12981

[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

WFX 752

WBOU (37346)

[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.

Kevin Mayes
 Print or Type Name

Kevin Mayes
 Signature

Engr. Advisor
 Title

11/20/09
 Date

Kevin.mayes@apachecorp.com
 e-mail Address

Warnell, Terry G, EMNRD

From: Jones, William V., EMNRD
Sent: Friday, November 20, 2009 2:50 PM
To: Warnell, Terry G, EMNRD
Cc: Mayes, Kevin
Subject: FW: Administrative Application - Authorization to Inject - Proposed WBDU 137 new drill
Attachments: WBDU 137 C-108 scan.pdf; WBDU 137 c108 spreadsheet 11-08-09.xls

Mister Terry:

Forwarding this from Kevin at Apache. This looks like a "Waterflood Expansion" type of application.

From: Mayes, Kevin [mailto:Kevin.Mayes@usa.apachecorp.com]
Sent: Friday, November 20, 2009 9:52 AM
To: Jones, William V., EMNRD
Cc: Jones, Curt; Vashler, Jay; Mackay, Sophie; Hanson, Michelle; McGowan, Michael; Barnes, Keevin; Sullivan, Tim
Subject: Administrative Application - Authorization to Inject - Proposed WBDU 137 new drill

Mr. Jones,

Please find attached Apache Corporations application to inject water into our yet to be drilled WBDU #137. I hope you find all the information to be complete. A hard copy of the application will be mailed to you early next week. Apache is in the process of fulfilling the notification portion of the application with publication being sent to the Lovington Ledger and letters being sent to Millard Deck Estate, c/o Bank of America, as surface owner and one offset operator, Mirage Energy Incorporated. Proof of publication and return receipts will be forwarded as soon as we receive them.

Apache very much appreciates your attention to this matter. If you have any questions or need further information do not hesitate to reply to this e-mail or call me at the below number.

Respectfully,

Kevin Mayes
Senior Engineering Advisor
Apache Corporation
6120 S. Yale, Suite 1500
Tulsa, OK 74136
918-491-4972
kevin.mayes@apachecorp.com

This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.

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: 6120 S. Yale Ave., Suite 1500, Tulsa, OK 74136
CONTACT PARTY: Kevin Mayes PHONE: 918-491-4972
- ✓ 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-12901
- ✓ 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: Kevin Mayes TITLE: Engr. Advisor
SIGNATURE: Kevin Mayes DATE: 11/20/09
E-MAIL ADDRESS: Kevin.Mayes@apachecorp.com
- * If the information required under Sections VI, VII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR:

Apache Corporation

WELL NAME & NUMBER:

Proposed New Well WBDU #137

WELL LOCATION:

680 FSL, 2130 FEL

FOOTAGE LOCATION

UNIT LETTER

4

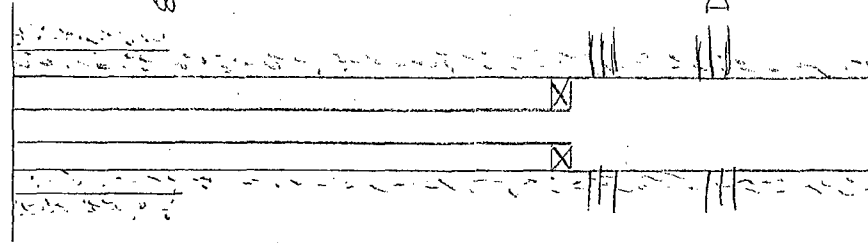
SECTION

215

TOWNSHIP

37E

RANGE

WELLBORE SCHEMATIC

TD = 6900'

WELL CONSTRUCTION DATASurface Casing

Hole Size: 12 1/4 Casing Size: 8 7/8 1300'

Cemented with: 650 sx. or ft³

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2"

Cemented with: 1000 sx. or ft³

Top of Cement: Surface Method Determined: Circulation

Total Depth: 6900'

Injection Interval

5560 feet to 6750 or Top of Abo

or Top of Blueberry (Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 Lining Material: Plastic Coated
 Type of Packer: Dual Grip
 Packer Setting Depth: 5510'
 Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? ☒ Yes ☐ No

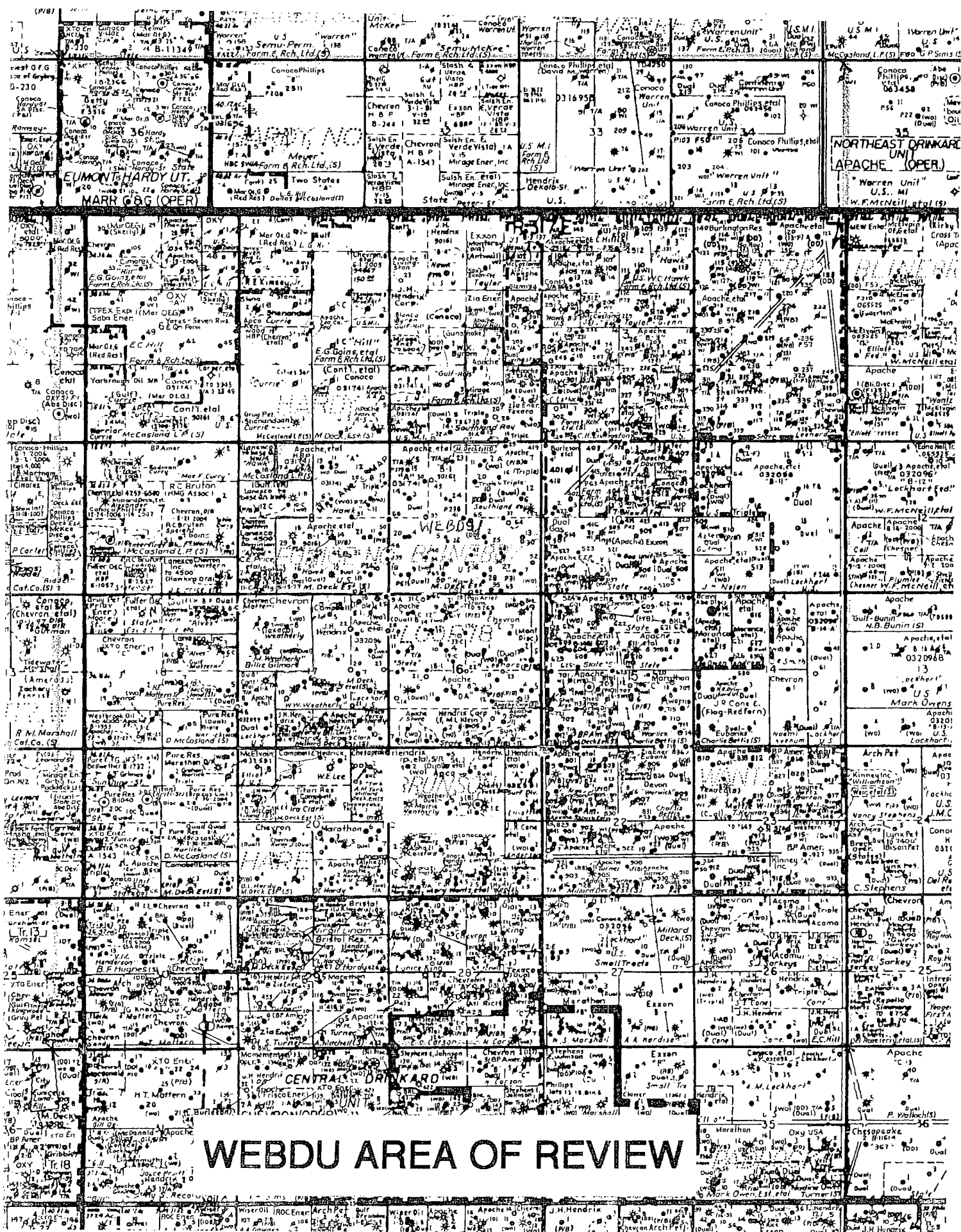
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Bluebird and Drinkard
 3. Name of Field or Pool (if applicable): North Eunice Bluebird-Tabb-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. N.A.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Above - San Andres 4300'

Below - Abo 7200'



State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address APACHE CORP 6120 S. YALE TULSA, OK 74136		2. OGRID Number 873
4. Property Code 37346		3. API Number 30-025-39574
5. Property Name WEST BLENBRY DRINKARD UNIT		
6. Well No. 137		

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	4	21S	37E	O	680	S	2130	E	LEA

8. Pool Information

EUNICE,BLI-TU-DR, NORTH	22900
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable Rotary	12. Lease Type Private	13. Ground Level Elevation 3471
14. Multiple N	15. Proposed Depth 6900	16. Formation Drinkard	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1300	650	0
Prod	7.875	5.5	17	6900	1000	0

Casing/Cement Program: Additional Comments

--

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Lana Williams	Approved By: Paul Kautz
Title: Engineering Tech	Title: Geologist
Email Address: lana.williams@apachecorp.com	Approved Date: 11/23/2009 Expiration Date: 11/23/2011
Date: 11/18/2009 Phone: 918-491-4900	

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88201

DISTRICT III
1000 Rio Bravo Rd., Aztec, NM 87401

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39574	Pool Code 22900	Pool Name Eunice Blinberry-Tubb Drinkard North
Property Code 37346	Property Name WEST BLINBERRY DRINKARD UNIT	Well Number 137
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3471'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	4	21 S	37 E		680	SOUTH	2130	EAST	LEA

Bottom Hole Location if Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

1/4 COR LOT 12	LOT 11	LOT 10	LOT 9	1/4 COR
LOT 13	LOT 14	LOT 15	LOT 16	
L	K	J	I	
m	n	o	p	

SURFACE LOCATION
Lot - N 32°30'09.25"
Long - W 103°09'58.98"
NMSPCE - N 548534.274
E 901101.603
(NAD-83)

680'
2130'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

[Signature] **11-16-09**
Signature Date

Curt Jones
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

GARY L. JONES
Date Surveyed

GARY L. JONES
Signature & Seal of Professional Surveyor

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

RECEIVED State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
NOV 18 2009
HOBBSD

Form C-144 CLEZ
July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOC District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☐ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Apache Corporation OGRID #: 873
Address: 6120 S. Yale Ave., Suite 1500 Tulsa, Oklahoma 74136
Facility or well name: West Blinbry Drinkard Unit No. 137
API Number: 30-025-39574 OCD Permit Number: P1-01512
U/L or Qtr/Qtr O Section 4 Township 21-S Range 37-E County: Lea
Center of Proposed Design. Latitude 32°30'09.25" N Longitude 103°09'58.98" W NAD: ☐ 1927 ☒ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Operation: ☒ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A
☐ Above Ground Steel Tanks or ☒ Haul-off Bins

3.
Signs: Subsection C of 19.15.17.11 NMAC
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
☒ Signed in compliance with 19.15.3.103 NMAC

4.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number: _____
☐ Previously Approved Operating and Maintenance Plan API Number: _____

5.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.
Disposal Facility Name: Sundance Incorporated Disposal Facility Permit Number: NM-01-0003
Disposal Facility Name: CRI Disposal Facility Permit Number: NM-01-0006
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☒ No
Required for impacted areas which will not be used for future service and operations:
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): David Catanach Title: Agent for Apache Corporation
Signature: David Catanach Date: 11/17/2009
e-mail address: drcatanach@netscape.com Telephone: (505) 690-9453

7. **OCD Approval:** ☐ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: _____ Approval Date: 11/23/09

Title: PETROLEUM ENGINEER OCD Permit Number: P1-01512

8. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

10. **Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

Warnell, Terry G, EMNRD

From: Mayes, Kevin [Kevin.Mayes@usa.apachecorp.com]
Sent: Tuesday, December 15, 2009 8:41 AM
To: Jones, William V., EMNRD; Warnell, Terry G, EMNRD
Cc: Jones, Curt; Vashler, Jay; Mackay, Sophie; Hanson, Michelle; McGowan, Michael; Barnes, Keevin; Sullivan, Tim
Subject: Administrative Application - Authorization to Inject - Proposed WBDU 137 new drill 12-15-09
Attachments: WBDU 137 Notification Confirmation.pdf

Mr. Jones and Mr. Warnell,
My apologies, I can't remember which one of you is working on this.

Please find attached the "green cards" and affidavit of publication associated with Apache's application to inject (form C-108) into the yet to be drilled WBDU #137. Said application was sent to you via e-mail on November 20, 2009 and followed up with a hard copy delivered through the US mail.

I hope this completes all requirements for the application and the Division will deliver an order allowing us to inject water into the WBDU 137 upon it being drilled and completed in the Blinbry and Drinkard formations.

Please call or reply to this email with any questions and thank you in advance,

Kevin

From: Mayes, Kevin
Sent: Friday, November 20, 2009 10:52 AM
To: 'Jones, William V., EMNRD'
Cc: Jones, Curt; Vashler, Jay; Mackay, Sophie; Hanson, Michelle; McGowan, Michael; Barnes, Keevin; Sullivan, Tim
Subject: Administrative Application - Authorization to Inject - Proposed WBDU 137 new drill

Mr. Jones,
Please find attached Apache Corporations application to inject water into our yet to be drilled WBDU #137. I hope you find all the information to be complete. A hard copy of the application will be mailed to you early next week. Apache is in the process of fulfilling the notification portion of the application with publication being sent to the Lovington Ledger and letters being sent to Millard Deck Estate, c/o Bank of America, as surface owner and one offset operator, Mirage Energy Incorporated. Proof of publication and return receipts will be forwarded as soon as we receive them.

Apache very much appreciates your attention to this matter. If you have any questions or need further information do not hesitate to reply to this e-mail or call me at the below number.

Respectfully,

Kevin Mayes
Senior Engineering Advisor
Apache Corporation
6120 S. Yale, Suite 1500
Tulsa, OK 74136
918-491-4972
kevin.mayes@apachecorp.com

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice
was published in a regular and entire issue of **THE LOV-
INGTON LEADER** and not in any supplement thereof, for
one (1) day, beginning with the issue of
November 24, 2009 and ending with the issue
of November 24, 2009.

And that the cost of publishing said notice is the sum of
\$ 25.53 which sum has been (Paid) as
Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 10th day of December, 2009

Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2010

LEGAL NOTICE

**NOTICE OF
APPLICATION FOR FLUID INJECTION WELL PERMIT
APACHE
CORPORATION
6120 S. Yale Ave.,
Suite 1500
Tulsa, OK 74136
ATTN: Kevin Mayes
(918) 491-4900**

has applied to the State of New Mexico, Oil Conservation Division, Santa Fe, New Mexico, for a permit to inject fluid into a formation that is productive of oil or gas. The application proposes to inject fluid in the Blinberry and Drinkard formations in the West Blinberry Drinkard Waterflood Unit. The proposed injection well will be located in Section 4 of Township 21 South, Range 37 East. Fluid will be injected into strata correlative to subsurface depth interval from 5,560 feet to 6,750 feet with an expected maximum injection rate of 2,000 barrels of water per day and a maximum surface injection pressure of 1120 psi.

Interested parties must file objections or requests for hearing with the State of New Mexico, Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3466, within 15 days of publication.

Published in the Lovington Leader
November 24, 2009.

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1. Article Addressed to:

The Millard Deck Estate
c/o Bank of America, N.A.,
Trustee of the Millard Deck Test. Trust
P.O. Box 270
Midland, TX 79702

ATTN: Tim Wolters

2. Article Number
(Transfer from service label)

7007 2680 0001 1843 8111

PS Form 3811, February 2004

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*DP...**12-7-9*D. Is delivery address different from item 1? ☐ Yes
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Trust

for WBDU 137

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4. Restricted Delivery? (Extra Fee)

☐ Yes