Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
OCD ARTESIA
RECEIVED

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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 reverse side.

5. Lease Serial No.
NMNM54184

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
DUNN B FEDERAL 36

2. Name of Operator
BREITBURN OPERATING LP
Contact: JEANIE MCMILLAN

9. API Well No.
30-015-28008-00-S1

3a. Address
300 TRAVIS STREET SUITE 4800
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 713.634.4696

10. Field and Pool, or Exploratory
ARTESIA

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 12 T18S R28E SWSW 330FSL 10FWL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☒ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conditions of Approval Operator Change required that we submit some additional information for each lease. Breitburn Operating LP respectfully submits the following regarding these conditions of approval.

Attached hereto is a facility Diagram as per Onshore Order #3
Attached is a water analysis along with Water Production and Disposal information.

Accepted for Record Purposes.
Approval Subject to Onsite Inspection.
Date: 11.10.16

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVED
NOV 10 2016
JAMES A. AMOS
SUPERVISOR-EPS

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

Electronic Submission #344162 verified by the BLM Well Information System
For BREITBURN OPERATING LP, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/22/2016 (16PP1789SE)

Name *(Printed/Typed)* JEANIE MCMILLAN — Title REGULATORY MANAGER

Signature (Electronic Submission) — Date 07/08/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

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 _____

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.

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

Accepted For Record
NMOCD

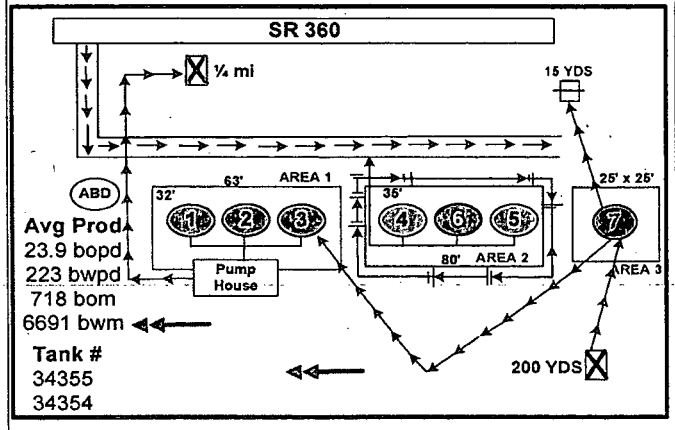
Dunn "B" Battery

Back

Field Artesia **Current Status** Active **Elevation:** 3626'

State: New Mexico **Lease** Dunn B **Location:** 18S 28E Sec. 11

County Eddy **Diagram Revised:** Jimika Reed-Terry (09-07-10) **Coordinates:** N32.76597 W104.15469



History

5/2003: Haul caliche from Turkey Track Ranch pit build burm around oil tanks. 30 loads.

6/2003: On 5/31/03 cattle had tore down part of burm at the oil tanks repair burm install fence. # 9 sign hung up., # 21 replacement sign delivery date 6/10/03, # 30 installed, # 33 replacement sign delivey date 6/10/03.# 5 sign hung up.

Remarks

Tank Information

1 — Salt Water

Diameter = 15.5 ft | Type = Welded
Height = 16 ft | Material = Steel
Capacity=538 bbls | Top= Closed
Total Diked Area= Capacity 788 bbls | Transportation = INJ
Direction of Flow= W | Type of Failure = Rupture, Leak, Overflow
Foundation = Gravel

Secondary Containment = Earth & Gravel
Min. Recommend Berm Height = 28 in.
Lowest point of berm at time of inspection = 24 in.

Tank Information

2 3 — Salt Water

Diameter = 10 ft | Type = Molded
Height = 20 ft | Material = Fiber Glass
Capacity=280 bbls | Top= Closed
Total Diked Area= Capacity 788 bbls | Transportation = INJ
Direction of Flow= W | Type of Failure = Rupture, Leak, Overflow
Foundation = Gravel

Secondary Containment = Earth & Gravel
Min. Recommend Berm Height = 28 in.
Lowest point of berm at time of inspection = 24 in.

Tank Information

4 5 — Oil

Diameter = 15.5 ft | Type = Bolded
Height = 16 ft | Material = Steel
Capacity=538 bbls | Top=Closed
Total Diked Area= Capacity 571 bbls | Transportation = TR
Direction of Flow= W | Type of Failure = Rupture, Leak, Overflow
Foundation = Gravel

Secondary Containment = Earth & Gravel
Min. Recommend Berm Height = 24 in.
Lowest point of berm at time of inspection = 24 in.

Tank Information

6 — Not In Use

Diameter = 15.5 ft | Type = Bolted
Height = 16 ft | Material = Steel
Capacity=538 bbls | Top=Closed
Total Diked Area= Capacity 571 bbls | Transportation =
Direction of Flow= W | Type of Failure =
Foundation = Gravel

Secondary Containment = Earth & Gravel
Min. Recommend Berm Height = 24 in.
Lowest point of berm at time of inspection = 24 in.

Heater Treater Information

7 — Heater Treater

Diameter = 8 ft | Type = Welded
Height = 20 ft | Material = Steel
Capacity=179 bbls | Top=Closed
Foundation = Cement | Transportation =
Total Diked Area= Capacity 463 bbls | Type of Failure = Rupture, Leak
Direction of Flow= W

Berm Construction = Earth & Gravel
Min. Recommend Berm Height = 28 in.
Lowest point of berm at time of inspection = 26 in

Legend

- Fence
- Electric Line
- Drainage
- Well Head
- Pump
- Flow Line
- Electric Box
- Flow Meter
- Electric Pole
- Electric Panel
- Transformer
- Header
- Underground Load Line
- Load Line
- Chemical Tank
- Circulating Pump
- Sump Pump
- Injection Well Head
- Dike Drain

Catalyst Oilfield Services
11999 E Hwy 158
Gardendale, TX 79758
(432) 563-0727
Fax: (432) 224-1038

CATALYST
Oilfield Services

Water Analysis Report

Customer:	Breitburn Operating	Sample #:	35847
Area:	Permian Basin	Analysis ID #:	34103
Lease:	Dunn B Federal		
Location:	Battery 0		
Sample Point:	Heater Treater		

Sampling Date:	6/23/2016
Analysis Date:	6/27/2016
Analyst:	Catalyst
TDS (mg/l or g/m3):	139488.8
Density (g/cm3):	1.096
Hydrogen Sulfide:	85
Carbon Dioxide:	120
Comments:	

Anions	mg/l	meq/l
Chloride:	**83778.7**	**2363.09**
Bicarbonate:	**366.0**	**6.**
Carbonate:		
Sulfate:	**1600.0**	**33.31**
Borate*:	**228.4**	**1.44**
Phosphate*:		

***Calculated based on measured elemental boron and phosphorus.**

pH at time of sampling:	7.5
pH at time of analysis:	
pH used in Calculation:	**7.5**
Temperature @ lab conditions (F):	**75**

Cations	mg/l	meq/l
Sodium:	**46410.0**	**2018.72**
Magnesium:	**1637.0**	**134.67**
Calcium:	**4626.0**	**230.84**
Potassium:	**741.2**	**18.96**
Strontium:	**101.5**	**2.32**
Barium:	**0.0**	**0.**
Iron:	**0.0**	**0.**
Manganese:	**0.000**	**0.**

Conductivity (micro-ohms/cm):	**156200**
Resistivity (ohm meter):	**.0640**

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl

Temp	Calcite $CaCO_3$		Gypsum $CaSO_4*2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$	
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	1.36	39.15	-0.16	0.00	-0.16	0.00	-0.08	0.00	0.00	0.00
100	1.33	42.83	-0.22	0.00	-0.16	0.00	-0.10	0.00	0.00	0.00
120	1.30	46.80	-0.27	0.00	-0.12	0.00	-0.11	0.00	0.00	0.00
140	1.29	51.08	-0.30	0.00	-0.07	0.00	-0.11	0.00	0.00	0.00
160	1.29	55.37	-0.33	0.00	0.00	3.06	-0.10	0.00	0.00	0.00
180	1.31	59.65	-0.36	0.00	0.09	123.58	-0.09	0.00	0.00	0.00
200	1.34	63.93	-0.38	0.00	0.19	239.21	-0.07	0.00	0.00	0.00
220	1.38	68.22	-0.39	0.00	0.30	342.61	-0.05	0.00	0.00	0.00

Dunn B Federal Btry
Eddy County No. 54184

WATER PRODUCTION & DISPOSAL INFORMATION

In order to process your disposal request, the following information must be completed.

1. Name(s) of formation(s) producing water on the lease.
   Artesia, Queen - grayburg - San Andres
2. Amount of water produced from all formations in barrels per day.
   150 bPD
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. (One sample will suffice if water is commingled).
   See Attached
4. How water is stored on lease.
   _____
5. How water is moved to the disposal facility.
   N/A Water is Re injected
6. Identify the Disposal Facility by:
   A. Facility Operators name. _____
   B. Name of facility or well name and number. _____
   C. Type of facility or well (WDW) (WIW) etc. _____
   D. Location by ¼ ¼ _____ Section _____ Township _____ Range
7. Attach a copy of the State issued permit for the Disposal Facility.

Submit to this office, **620 EAST GREENE ST, CARLSBAD NM, 88220**, the above required information on a Sundry Notice 3160-5. Submit 1 original and 3 copies, within abatement period. (This form may be used as an attachment to the Sundry Notice).

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

Disposal of Produced Water From Federal Wells
Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency shall be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. Any on-lease open top storage tanks shall be covered with a protective cover to prevent entry by birds and other wildlife.
6. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
7. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.
8. Disposal at any other site will require prior approval.
9. Subject to like approval by NMOCD.

7/10/14