

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMNM23413
2. Name of Operator BREITBURN OPERATING LP		6. If Indian, Allottee or Tribe Name
3a. Address 300 TRAVIS STREET SUITE 4800 HOUSTON, TX 77002		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 713.634.4696		8. Well Name and No. DUNN A FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T18S R28E SWNE 1980FNL 1980FEL		9. API Well No. 30-015-01830-00-S1
		10. Field and Pool, or Exploratory ARTESIA
		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			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 type="checkbox"/> Other
	<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 checked="" 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 recompleat 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 recompleat 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: 11.09.2016

Stuckert

MINERAL CONSERVATION  
ARTESIA DISTRICT  
NOV 22 2016  
RECEIVED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

APPROVED

NOV - 9 2016

Stuckert  
JAMES A. AMOS  
SUPERVISOR-EPS

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #344203 verified by the BLM Well Information System For BREITBURN OPERATING LP, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 08/12/2016 (16PP2035SE)	
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.

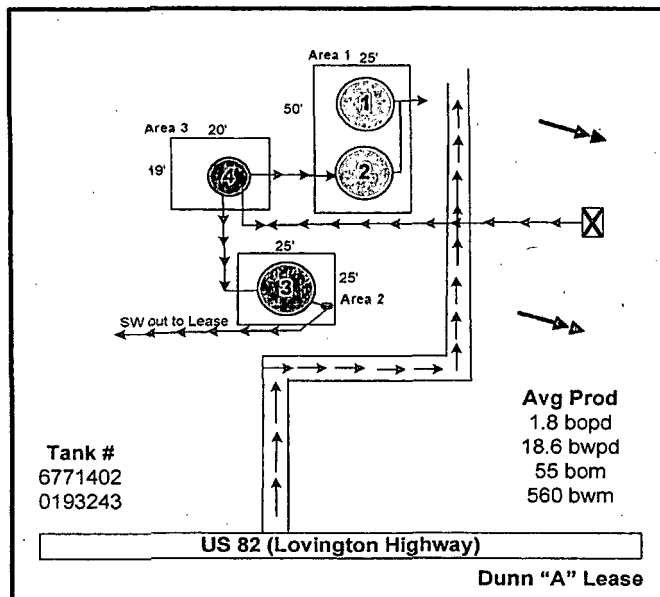
**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***



## Dunn A Lease

Field Artesia Current Status Active  
State: New Mexico Lease Dunn A  
County Eddy Diagram Revised: Jimika Reed-Terry (09-07-10)

Elevation: 3670'  
Location: 17S 28E Sec. 12  
Coordinates: N32.76532  
W104.12743



### History

8/2002: Water tank at Dunn A battery, leak at 3ft from surface. Called gang to patch hole increased in size would not take fiber glass patch. Pulled tank down and removed hatch. Bottom of man way collapsed tank bottom remove bsw disconnect tank and remove. Set new 210 open top tank fiberglass hook up lines. The line to the transfer pump we had to tap tank and install drain. Will have to let fiber glass dry. Start production Monday 26th. Note: the tank we removed was a steel tank and was not coated.

### Remarks

### Tank Information



Oil

Diameter = 10 ft Type = Welded  
Height = 15 ft Material = Steel  
Capacity = 210 bbls Top = Closed  
Total Diked Area = Transportation = TR  
Capacity 212 bbls Type of Failure =  
Direction of Flow = SE Rupture, Leak, Overflow  
Foundation = Gravel  
Secondary Containment = Earth & Gravel  
Min. Recommend Berm Height = 20 in.  
Lowest point of berm at time of inspection = 0 in.

### Tank Information



Salt Water

Diameter = 15 ft Direction of Flow = SE  
Height = 6 ft Material = Fiber Glass  
Capacity = 189 bbls Top = Open  
Foundation = Gravel Transportation = Inj  
Type = Molded Type of Failure =  
Total Diked Area = Rupture, Leak, Overflow  
Capacity 199 bbls  
Secondary Containment = Earth & Gravel  
Min. Recommend Berm Height = 22 in.  
Lowest point of berm at time of inspection = 0 in.

### Heater Treater Information



Heater Treater

Diameter = 4 ft Type = Welded  
Height = 20 ft Material = Steel  
Direction of Flow = SE Top = Closed  
Foundation = Cement Transportation =  
Total Diked Area = Type of Failure =  
Capacity 57 bbls Rupture, Leak  
Capacity = 45 bbls  
Berm Construction = Earth  
Min. Recommend Berm Height = 18 in.  
Lowest point of berm at time of inspection = 0 in.

### Legend

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



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

## Water Analysis Report

Customer:	Breitbart Operating	Sample #:	35846
Area:	Permian Basin	Analysis ID #:	34107
Lease:	Dunn A Federal		
Location:	Battery	0	
Sample Point:	Water Tank		

		mg/l		meq/l	mg/l		meq/l
<b>Sampling Date:</b>	6/22/2016	<b>Anions</b>			<b>Cations</b>		
<b>Analysis Date:</b>	6/27/2016	<b>Chloride:</b>		65558.2	<b>Sodium:</b>		32940.0
<b>Analyst:</b>	Catalyst	<b>Bicarbonate:</b>		488.0	<b>Magnesium:</b>		1942.0
<b>TDS (mg/l or g/m3):</b>	108795.9	<b>Carbonate:</b>			<b>Calcium:</b>		5425.0
<b>Density (g/cm3):</b>	1.076	<b>Sulfate:</b>		1200.0	<b>Potassium:</b>		796.5
<b>Hydrogen Sulfide:</b>	35	<b>Borate*:</b>		324.8	<b>Strontium:</b>		121.4
<b>Carbon Dioxide:</b>	20	<b>Phosphate*:</b>			<b>Barium:</b>		0.0
<b>Comments:</b>		*Calculated based on measured elemental boron and phosphorus.			<b>Iron:</b>		0.0
				pH at time of sampling:	<b>Manganese:</b>		0.000
				pH at time of analysis:			
				pH used in Calculation:			
				7.5	<b>Conductivity (micro-ohms/cm):</b>		136300
				7.5	<b>Resistivity (ohm meter):</b>		.0734
				75			

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Temp	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		
	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	1.52	63.64	-0.19	0.00	-0.21	0.00	-0.06	0.00	0.00	0.00	
100	1.51	68.68	-0.23	0.00	-0.19	0.00	-0.08	0.00	0.00	0.00	
120	1.51	74.04	-0.27	0.00	-0.14	0.00	-0.08	0.00	0.00	0.00	
140	1.52	79.40	-0.30	0.00	-0.08	0.00	-0.07	0.00	0.00	0.00	
160	1.54	85.07	-0.31	0.00	0.01	8.51	-0.05	0.00	0.00	0.00	
180	1.57	90.42	-0.32	0.00	0.11	115.63	-0.03	0.00	0.00	0.00	
200	1.61	95.47	-0.33	0.00	0.22	212.04	-0.01	0.00	0.00	0.00	
220	1.66	100.51	-0.34	0.00	0.35	294.27	0.02	2.84	0.00	0.00	

Donn A Federal Bldg  
Eddy County No. 23413

### 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.  
Antesia, Queen-graburg-San Andres
2. Amount of water produced from all formations in barrels per day.  
20 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.  
Tanks
5. How water is moved to the disposal facility.  
N/A Water is Reinjectd (Water Flood)
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- 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