

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.

5. Lease Serial No.
NMNM23413

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other: INJECTION

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

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

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

8. Well Name and No.
DUNN A FEDERAL 1

9. API Well No.
30-015-01830-00-S1

10. Field and Pool, or Exploratory
ARTESIA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 12 T18S R28E SWNE 1980FNL 1980FEL

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Temporarily Abandon
	<input checked="" type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other

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.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Accepted for Record Purposes.
Approval Subject to Onsite Inspection.
Date: 11.09.2016
Stuckert

WATER CONSERVATION
ARTESIA DISTRICT
NOV 22 2016
RECEIVED

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.

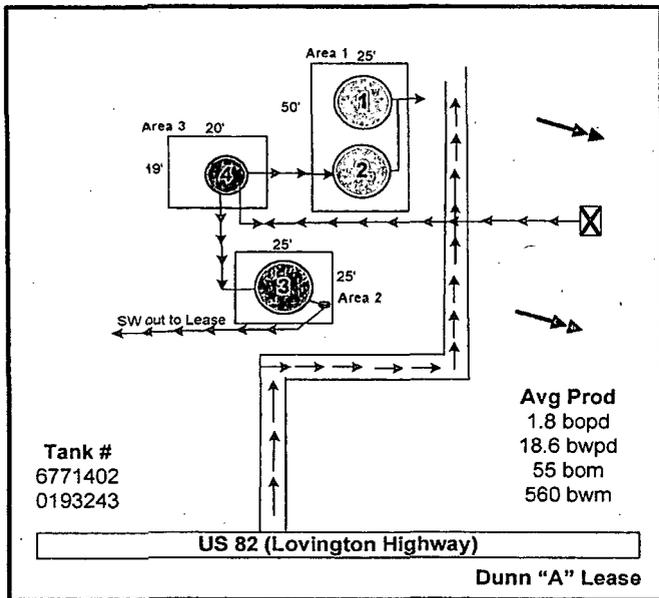
Office _____

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.

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



Tank Information

① ② 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

③ 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

④ 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.

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

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

Sampling Date:	6/22/2016	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/27/2016	Chloride:	65558.2	1849.16	Sodium:	32940.0	1432.81
Analyst:	Catalyst	Bicarbonate:	488.0	8.	Magnesium:	1942.0	159.76
TDS (mg/l or g/m3):	108795.9	Carbonate:			Calcium:	5425.0	270.71
Density (g/cm3):	1.076	Sulfate:	1200.0	24.98	Potassium:	796.5	20.37
Hydrogen Sulfide:	35	Borate*:	324.8	2.05	Strontium:	121.4	2.77
Carbon Dioxide:	20	Phosphate*:			Barium:	0.0	0.
Comments:		*Calculated based on measured elemental boron and phosphorus.			Iron:	0.0	0.
		pH at time of sampling:		7.5	Manganese:	0.000	0.
		pH at time of analysis:			Conductivity (micro-ohms/cm):		136300
		pH used in Calculation:		7.5	Resistivity (ohm meter):		.0734
		Temperature @ lab conditions (F):		75			

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

Temp	Calcite CaCO ₃		Gypsum CaSO ₄ *2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
	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-grayburg-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