

OCS Artesia

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.
NMNM05067
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
8. Well Name and No.
Gissler B 5 Battery
9. API Well No.

2. Name of Operator
Burnett Oil Co., Inc.

3a. Address
801 Cherry Street, Suite 1500
Fort Worth, Texas 76180
3b. Phone No. (include area code)
817-332-5108

10. Field and Pool or Exploratory Area
See attached

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Loco Hills Public Disposal - SWSW Swc. 16, T17S, R30E

11. County or Parish, State
Eddy County, Texas

12. CHECK THE 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 recomplate 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The attached information covers the NMNM05067 Lease and the Gissler B 5 Battery. The Water Production & Disposal Form is attached as well as Water Analysis and Battery Diagrams which list all of the well associated with these batteries.

APD 10/28/14
Accepted for record
NMOCB

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 27 2014

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Leslie Garvis Title Regulatory Coordinator

Signature *Leslie Garvis* Date 06/17/2014

APPROVED
SEP 26 2014
Date
JAMES A AMOS
SUPERVISOR-EP

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

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.

(Instructions on page 2)

WATER PRODUCTION & DISPOSAL INFORMATION

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

Lease: NMNM05067

Batteries: Gissler B 5 Battery

1. Name(s) of formation(s) producing water on the lease.
Grayburg Jackson San Andres, Loco Hills Glorieta Yeso, Cedar Lake Glorieta Yeso

2. Amount of water produced from all formations in barrels per day.
Average - Gissler B 5 - 1,000-2,000 bblspd

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).
Attached

4. How water is stored on lease.
Fiberglass Water Barrels - See attached Diagrams

5. How water is moved to the disposal facility.
Water is piped directly to the Loco Hills Public Disposal.

6. Identify the Disposal Facility by:
 - A. Facility Operators name. Loco Hills Water Disposal Company

 - B. Name of facility or well name and number. Loco Hills Public Disposal

 - C. Type of facility or well (WDW) (WIW) etc. Water handling facility

 - D. Location by $\frac{1}{4}$ $\frac{1}{4}$ SWSW 16 Section 17S Township 30E Range

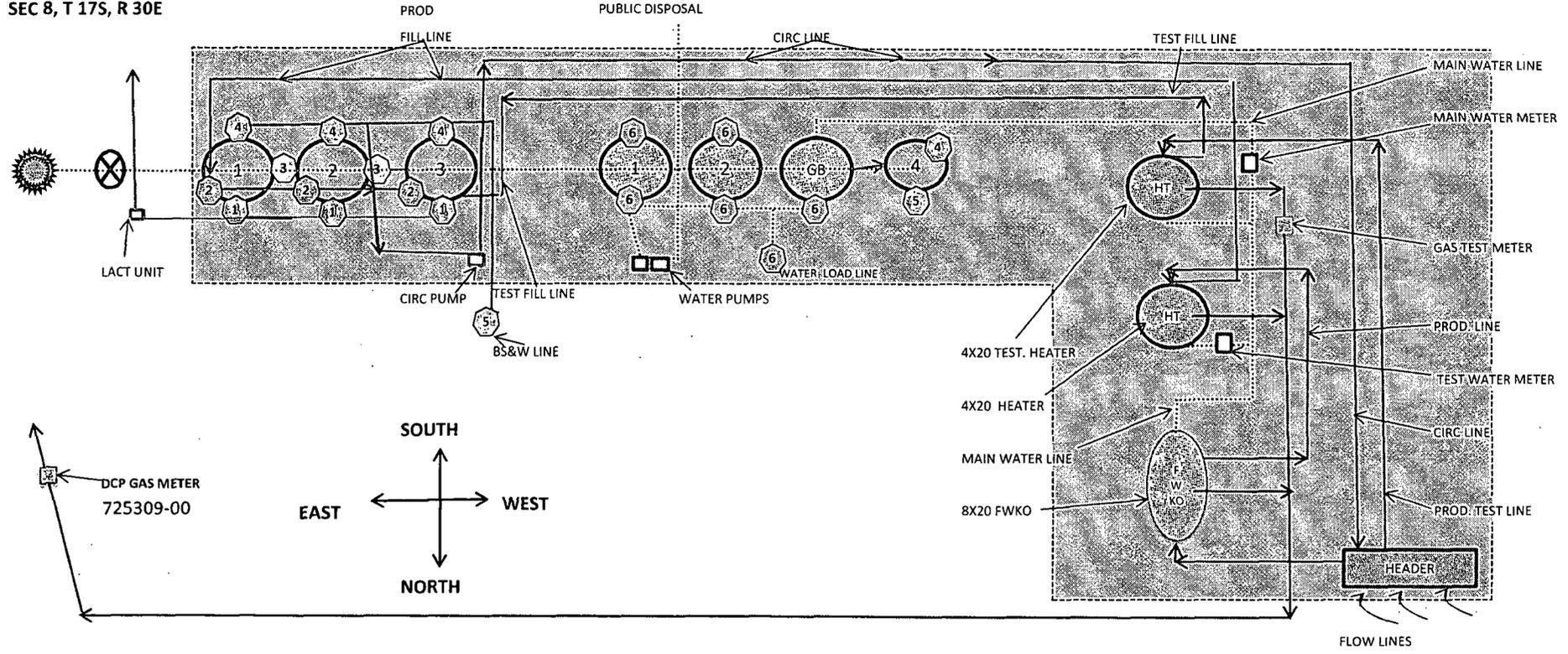
7. Attach a copy of the State issued permit for the Disposal Facility.
N/A - not a Burnett Owned Facility

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).

BURNETT OIL CO., INC.
 EDDY COUNTY, NM
 GISSLER B 5 BATTERY
 SEC 8, T 17S, R 30E

5/11/2014

PRODUCED WATER IS
 TRANSFERRED TO LOCO HILLS
 PUBLIC DISPOSAL



SITE LEGEND

- | | |
|--------------------------------------|-------------------------------|
| 500 BBL STEEL OIL SALES TANK # 63607 | 500 BBL FIBERGLASS WATER TANK |
| 500 BBL STEEL OIL SALES TANK # 63608 | 500 BBL FIBERGLASS WATER TANK |
| 500 BBL STEEL OIL SALES TANK # 63609 | 750 BBL FIBERGLASS GUN BARREL |
| 210 BBL STEEL OIL SKIM TANK | |

- | | |
|--|-----------------|
| | FWKO |
| | HEATER TREATER |
| | WATER LINE |
| | OIL LINE |
| | GAS LINE |
| | FENCED FIREWALL |

VALVE LEGEND

- | | |
|----------------------|----------------------|
| LOAD LINE VALVE | CIRC LINE VALVE |
| FILL LINE VALVE | BS&W LOAD LINE VALVE |
| EQUALIZER LINE VALVE | WATER LINE VALVE |
| COMBUSTOR GAS METER | COMBUSTOR |
| | COMBUSTOR LINE |

Accepted for Record Purposes.
 Approval Subject to Onsite Inspection.
 Date: 9/26/14
[Signature]

BURNETT OIL CO., INC.
 EDDY COUNTY, NM
 GISSLER B 5 BATTERY
 SEC 8, T 17S, R 30E

5/11/2014

GISSLER B5 BATTERY

GISSLER B 13
 GISSLER B 39
 GISSLER B 41
 GISSLER B 42
 GISSLER B 45
 GISSLER B 46
 GISSLER B 48
 GISSLER B 56
 GISSLER B 58
 GISSLER B 63
 GISSLER B 67
 GISSLER B 72 YESO
 GISSLER B 76 YESO
 GISSLER B 78 GRAYBURG
 GISSLER B 79 GRAYBURG
 GISSLER B 80 GRAYBURG
 GISSLER B 81 GRAYBURG
 GISSLER B 92 GRAYBURG
 GISSLER B 93 GRAYBURG
 GISSLER B 94
 GISSLER B 98

ATTACHMENT TO SITE FACILITY DIAGRAM

General sealing of valves, sales by tank guage

Production Phase:

Load Line Valves sealed closed. Fill valve to tank that is in production will be open.
 Equalizer valve to tank that is in production will be open. Circulation valves will be opened as necessary, then resealed.
 BS&W Load Line valve will be sealed at all times, unless cleaning tanks, then resealed once tank maintenance is complete.

Sales Phase:

The tank from which sales are being made will be isolated by sealing closed the fill line valve, circulating valve, and the equalizer valve during sales and opening the sales valve. Upon completion of the sale, the sales valve will be resealed.
 Sales by truck will be by tank gauge. Sales by LACT will be by LACT meter.

<u>VALVE</u>	<u>PRODUCTION PHASE</u>	<u>SALES PHASE</u>	<u>CIRCULATING</u>	<u>NOTE</u>
LOAD LINE VALVE	CLOSED	OPEN	CLOSED	
PRODUCTION FILL LINE VALVE	OPEN OR CLOSED	CLOSED	CLOSED OR OPEN	
 EQUALIZER LINE VALVE	OPEN	CLOSED	CLOSED OR OPEN	
CIRCULATING LINE VALVE	OPEN OR CLOSED	CLOSED	OPEN	RE-SEALED ONCE CIRCULATING IS COMPLETE
 BS&W LOAD LINE VALVE	CLOSED	CLOSED	CLOSED	OPEN FOR TANK MAINTENANCE, RESEALED ONCE MAINTENANCE IS COMPLETE
 WATER LINE VALVE	OPEN	NA	NA	WATER TANKS ARE ISOLATED FROM OIL PRODUCTION TANKS



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

Water Analysis Report

Customer: Burnett Oil Company Sample #: 20196
 Area: Loco Hills Analysis ID #: 19390
 Lease: Gissler B
 Location: 5 Battery 0
 Sample Point: Transfer Pump

Sampling Date:	5/19/2014	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	5/21/2014	Chloride:	127974.0	3609.68	Sodium:	68810.0	2993.07
Analyst:	Catalyst	Bicarbonate:	244.0	4.	Magnesium:	1771.0	145.69
TDS (mg/l or g/m3):	210775.9	Carbonate:			Calcium:	9486.0	473.35
Density (g/cm3):	1.145	Sulfate:	1200.0	24.98	Potassium:	924.8	23.65
		Borate*:	145.0	0.92	Strontium:	221.1	5.05
		*Calculated based on measured elemental boron.			Barium:	0.0	0.
Hydrogen Sulfide:	35				Iron:	0.0	0.
Carbon Dioxide:	300				Manganese:	0.000	0.
Comments:		pH at time of sampling:		7			
		pH at time of analysis:					
		pH used in Calculation:		7	Conductivity (micro-ohms/cm):		212763
		Temperature @ lab conditions (F):		75	Resistivity (ohm meter):		.0470

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	1.10	23.45	-0.04	0.00	-0.01	0.00	-0.04	0.00	0.00	0.00
100	1.12	25.45	-0.12	0.00	-0.02	0.00	-0.07	0.00	0.00	0.00
120	1.13	27.74	-0.18	0.00	-0.01	0.00	-0.08	0.00	0.00	0.00
140	1.15	30.03	-0.24	0.00	0.03	33.46	-0.08	0.00	0.00	0.00
160	1.17	32.60	-0.28	0.00	0.09	91.23	-0.08	0.00	0.00	0.00
180	1.19	35.18	-0.32	0.00	0.16	155.86	-0.07	0.00	0.00	0.00
200	1.23	37.75	-0.36	0.00	0.25	220.21	-0.05	0.00	0.00	0.00
220	1.27	40.61	-0.39	0.00	0.34	279.41	-0.03	0.00	0.00	0.00

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