

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.
NMNM0405444

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. TODD 23 FED 4
2. Name of Operator DEVON ENERGY PRODUCTION CO LP Contact: JEANETTE BARRON Email: JEANETTE.BARRON@DVN.COM		9. API Well No. 30-015-26928-00-S1
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 575-748-1813	10. Field and Pool, or Exploratory SAND DUNES
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T23S R31E NESE 1800FSL 900FEL		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.)

- Notice of Written Order 14-MB-W214
- 1. Delaware Formation
- 2. 26 BBLS Water produced per day
- 4. 2-500 BBLS Tanks
- 5. Water is piped
- 6. Devon Energy Operator
- 7. SWD Facility Todd 26-2 SWD # 493
- 8. SWD Facility Back-up Barclay 11 Fed 1 SWD # 935

NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 25 2014

Accepted for record
7-29-14
NM300

RECEIVED
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #250035 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by CATHY QUEEN on 06/18/2014 (14CQ0471SE)	
Name (Printed/Typed) JEANETTE BARRON	Title FIELD ADMIN SUPPORT
Signature (Electronic Submission)	Date 06/18/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____ Date JUL 19 2014
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 <i>for</i> JAMES A. AMOS SUPERVISOR-EPS

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.

WATER PRODUCTION & DISPOSAL INFORMATION

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

Site Name: Todd 23-4

1. Name(s) of formation(s) producing water on the lease:

Delaware

2. Amount of water produced from all formations in barrels per day:

26 BBLS

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)

4. How water is stored on lease:

2-500 BBL TANKS

5. How water is moved to the disposal facility:

PIPED

6. Identify the Disposal Facility by:

A. Facility Operators Name: a.) Devon Energy

B. Facility or well name/number: a.) Todd Fed 26 Permit # 493 b.) Barclay 11 Fed 1 Permit # 935

C. Type of Facility or well (WDW) (WIW): a.) WDW b.) WDW

D.A. Location by SW4/NE4 Section 26 Township 23S Range 31E

D.B. Location by SE4/NE4 Section 11 Township 23S Range 31E

7. Attach a copy of the State issued permit for the Disposal Facility.

(Info on the NMOCD Website or on the Artesia LDrive)

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 5 copies, within abatement period. (This form may be used as an attachment to the Sundry Notice.)

DS

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Todd 23 BC Fed T/B(13155005)
Injection Date	2014-02-11 19:02:21

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	4.4347	0.000
Methane	71.2553	0.000
CO2	0.0874	0.000
Ethane	12.6071	3.384
H2S	0.0000	0.000
Propane	7.6360	2.111
iso-Butane	0.8372	0.275
n-Butane	1.8907	0.598
iso-Pentane	0.4592	0.169
n-Pentane	0.3911	0.142
Hexanes Plus	0.4013	0.175
Water	0.0000	0.000
Total:	100.0000	6.854

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	35.0	
Flowing Pressure (psia)	42.0	
Gross Heating Value (BTU / Real cu.ft.)	1286.4	1264.5
Relative Density (G), Real	0.7776	0.7752
Total GPM	6.854	6.837
Total Molecular Weight	22.443	22.366

Orifice Meter Test Report



Meter: 13155005

- Todd 23 BC Fed T/B

Date Performed: May 12, 2014 11:12 Rev 1

P: er: Devon City: _____ State ID: _____
 _____ County: Eddy Federal ID: NMNM0405444
 Area: _____ State: New Mexico API Code: _____
 Closing Group: W22 Agency: _____ Latitude: 32.287331
 Last Test: 02/11/2014 Reason for Test: Calibration Longitude: -103.7425784 Site Elevation: _____

Flowing Conditions

	Found	Left	Average
Differential:	<u>17.00</u>	<u>17.00</u>	<u>12.00</u>
Pressure:	<u>65.00</u>	<u>65.00</u>	<u>63.00</u>
Temperature:	<u>96.20</u>	<u>96.54</u>	<u>78.00</u>
EFM Flow Rate:	<u>501.00</u>	<u>500.00</u>	
Battery Voltage:			

Meter Constants

Calculation Method:	<u>AGA3-1992</u>	FPV Method:	<u>AGA8-Detail</u>
PSIA/PSIG:	<u>PSIA</u>	Btu:	<u>1279.25</u>
Contract Atmos. Pre:	<u>13.20</u>	Specific Gravity:	<u>0.77110</u>
Pressure Base:	<u>14.730</u>	N2:	<u>4.07170</u>
Temp. Base:	<u>60</u>	CO2:	<u>0.10180</u>

Meter Inspection

PrimBrand: Daniel Model: Senior Ser # 93060206
 RTU Brand: Totalflow Model: 6213 Ser # 44181112666
 DP Range: 0-150 Model: IMV Ser #: _____
 SP Range: 0-100 Model: IMV Ser #: _____
 Tmp Range: 0-200 Model: RTD Ser #: _____

Static Location: Upstream Tap Type: Flange
 Replace Seal Ring: No No Flow Cutoff: 0.40

Orifice Plate

Plate Size Existing (d) 1.6250
 Plate Size Found (dr) 1.6250 Ring Inspection: _____
 Tube ID Existing (Dr) 3.0680 Tube Serial: _____

Plate Inspected: Yes Plate Clean Yes Edge Sharp Yes Oily No
 Smooth Yes Surface Flat Yes Dirty No
 Bevel Yes Beveled DS Yes Rough No
 Bowed No Nicked No

Plate Changed: No
 New Plate Size (dr): _____

DP Calibration

Standard	Found	Left	Flow Rate Error
Reset A.P.O	<u>0.00</u>		
Reset W.P.O	<u>No</u>	<u>0.00</u>	<u>0.00</u>
<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	
<u>45.00</u>	<u>45.00</u>	<u>45.00</u>	<u>0.00%</u>
<u>75.00</u>	<u>75.01</u>	<u>75.01</u>	<u>0.01%</u>
<u>150.00</u>	<u>150.04</u>	<u>150.04</u>	<u>0.01%</u>
<u>120.00</u>	<u>120.00</u>	<u>120.00</u>	<u>0.00%</u>
<u>90.00</u>	<u>90.01</u>	<u>90.01</u>	<u>0.01%</u>
<u>30.00</u>	<u>30.01</u>	<u>30.01</u>	<u>0.02%</u>
<u>12.00</u>	<u>12.00</u>	<u>12.00</u>	<u>0.00%</u>
<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	
<u>4.00</u>	<u>4.01</u>	<u>4.01</u>	<u>0.12%</u>

SP Calibration

Atmos. Press. Source:	<u>Measured</u>	Obs. Atmos. Press:	<u>13.00</u>
Standard (PSIG)	Found (PSIA)	Left (PSIA)	Flow Rate Error
<u>0.00</u>	<u>12.99</u>	<u>12.99</u>	<u>-0.04%</u>
<u>100.00</u>	<u>113.00</u>	<u>113.00</u>	<u>0.00%</u>
<u>50.00</u>	<u>63.00</u>	<u>63.00</u>	<u>0.00%</u>

Temperature Calibration

Standard	Found	Left	Flow Rate Error
<u>96.50</u>	<u>96.54</u>	<u>96.54</u>	<u>0.00%</u>

Total Error:

Remarks:

Witness: Yerby, Mike Signed: Atwood, Douglas E.

% errors stated on this report are based on spot averages and are not the values used for volume corrections. Settlement % error and volume calculations are performed in external processes.

Todd 23 BC Battery
Todd 23-4 API 30-015-26928
UNIT I S23 T23S R31E
1800FSL & 900FEL
Eddy County

Production System: Open

1) Oil sales by tank gauge to Lack.

2) Seal requirements:

A. Production Phase: On all Tanks.

(1) All valves 5 closed. Except pProd.

Sales Phase: On Tank being hauled.

(1) Valve 1 Open. 

(2) Valve 3 Open. 

(3) Valve 4 closed. 

(4) Valve 5 closed. 

(5) Misc. Valves: Plugged or otherwise inaccessible.  

NOTE: Valve 2 is either a test or roll line if there is a valve 2 it will be sealed open. 

Ledger for Site Diagram

Valve #1: Production Line 

Valve #2: Test or Roll line 

Valve #3: Equalizer Line 

Valve #4: Circ./Drain Line 

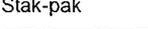
Valve #5: Sales Line 

Valve #6: BS&W Load Line 

Buried Lines: 

Firewall: 

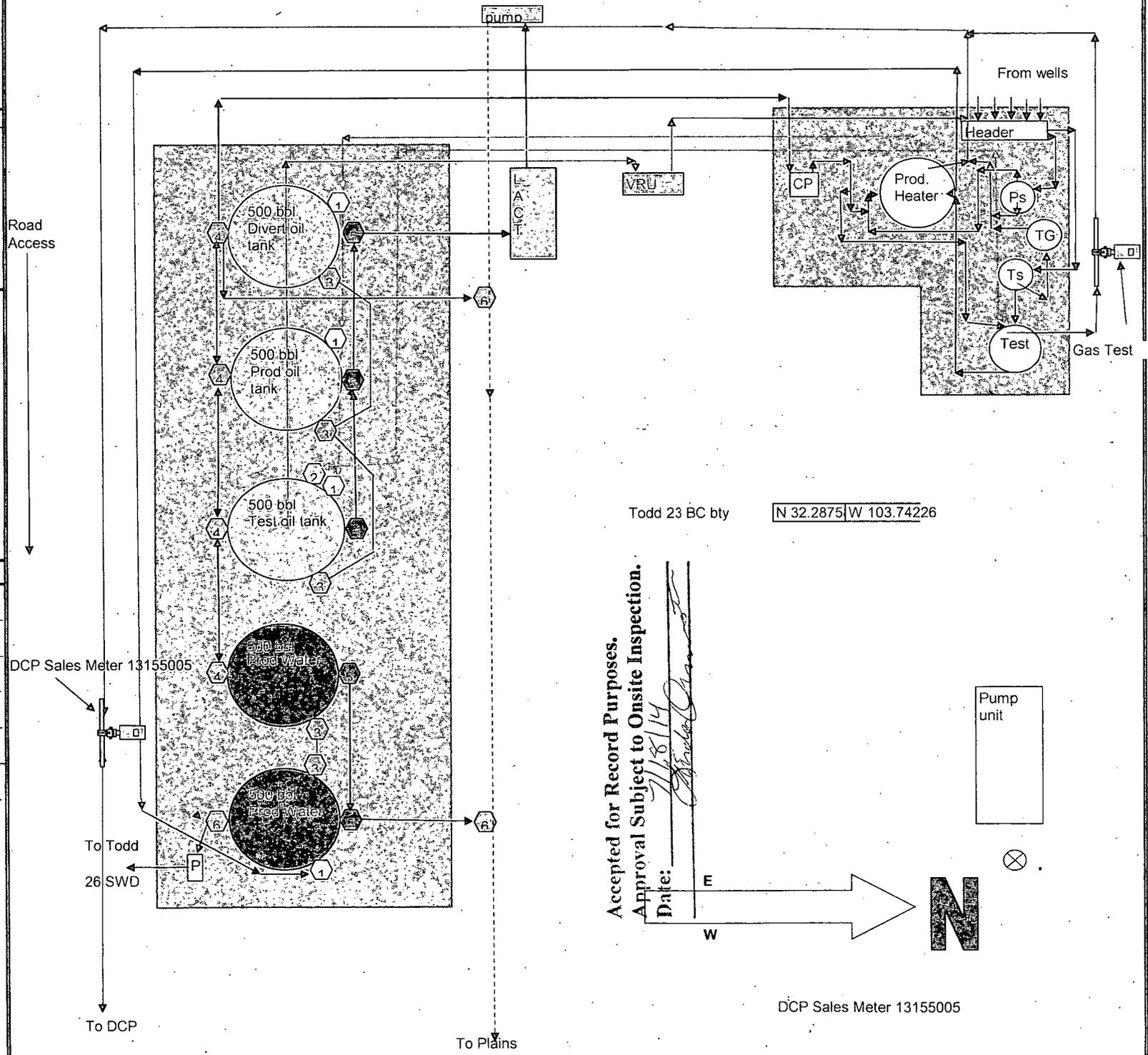
Wellhead: 

Stak-pak: 

Production line: 

Water line: 

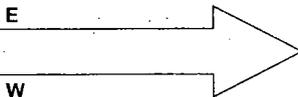
Gas Meter   



Todd 23 BC bty N 32.2875 W 103.74226

Accepted for Record Purposes.
 Approval Subject to Onsite Inspection.

Date: 11/8/14

DCP Sales Meter 13155005

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