

UNITED STATES **OCD-ARTESIA**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
NMNM0544986

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
TODD 25A FED 1

9. API Well No.
30-015-27696-00-S1

10. Field and Pool, or Exploratory
INGLE WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

2. Name of Operator
DEVON ENERGY PRODUCTION CO LP
Contact: JEANETTE BARRON
Email: JEANETTE.BARRON@DVN.COM

3a. Address
333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 575-748-1813

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 25 T23S R31E NENE 605FNL 615FEL

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

- ☐ Acidize
☐ Alter Casing
☐ Casing Repair
☐ Change Plans
☐ Convert to Injection
☐ Deepen
☐ Fracture Treat
☐ New Construction
☐ Plug and Abandon
☐ Plug Back
☐ Production (Start/Resume)
☐ Reclamation
☐ Recomplete
☐ Temporarily Abandon
☒ Water Disposal
☐ Water Shut-Off
☐ Well Integrity
☐ 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.)

Notice of Written Order 14-MB-W213

1. Delaware Formation
2. 500 BBLS Water produced per day
4. 1-500 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

RECEIVED

Handwritten: 7-29-14
Accepted for record
NMDCD

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

Electronic Submission #250047 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 (14CQ0468SE)

Name (Printed/Typed) JEANETTE BARRON

Title FIELD ADMIN SUPPORT

Signature (Electronic Submission)

Date 06/18/2014

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

JUL 18 2014

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

Handwritten signature: JAMES A. AMOS
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.

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

WATER PRODUCTION & DISPOSAL INFORMATION

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

Site Name: Todd 25BC

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

Delaware

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

500 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:

1-500 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.)

25

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Todd 25 BC CDP(13155015)
Injection Date	2014-02-12 22:27:09

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	5.0215	0.000
Methane	69.5746	0.000
CO2	0.1096	0.000
Ethane	12.9786	3.484
H2S	0.0000	0.000
Propane	7.8921	2.182
iso-Butane	0.8963	0.294
n-Butane	2.0616	0.652
iso-Pentane	0.4984	0.183
n-Pentane	0.4466	0.162
Hexanes Plus	0.5207	0.227
Water	0.0000	0.000
Total:	100.0000	7.186

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	32.0	
Flowing Pressure (psia)	42.0	
Gross Heating Value (BTU / Real cu.ft.)	1300.1	1278.0
Relative Density (G), Real	0.7930	0.7904
Total GPM	7.186	7.163
Total Molecular Weight	22.885	22.800



Permian Basin Area Laboratory
2101 S Market St. / Building B
Midland, TX. 79711

Report Date: 6/26/2014

Complete Water Analysis Report SSP v.8

Customer:	DEVON ENERGY	Sample Point Name	TODD 25A FEDERAL 1
District:	New Mexico	Sample ID:	201401010785
Sales Rep:	Gene Rogers	Sample Date:	6/18/2014
Lease:	TODD 25A FEDERAL	Log Out Date:	6/25/2014
Site Type:		Analyst:	Sandra Sanchez
Sample Point Description:			

DEVON ENERGY, TODD 25A FEDERAL, TODD 25A FEDERAL 1

Field Data				Analysis of Sample			
				Anions:	mg/L	meq/L	Cations:
Initial Temperature (°F):	250	Chloride (Cl ⁻):	165100.0		4657.3		Sodium (Na ⁺):
Final Temperature (°F):	86	Sulfate (SO ₄ ²⁻):	460.0		9.6		Potassium (K ⁺):
Initial Pressure (psi):	100	Borate (H ₃ BO ₃):	194.1		3.1		Magnesium (Mg ²⁺):
Final Pressure (psi):	15	Fluoride (F ⁻):	ND				Calcium (Ca ²⁺):
pH:		Bromide (Br ⁻):	ND				Strontium (Sr ²⁺):
pH at time of sampling:	6.5	Nitrite (NO ₂ ⁻):	ND				Barium (Ba ²⁺):
		Nitrate (NO ₃ ⁻):	ND				Iron (Fe ²⁺):
		Phosphate (PO ₄ ³⁻):	ND				Manganese (Mn ²⁺):
		Silica (SiO ₂):	ND				Lead (Pb ²⁺):
							Zinc (Zn ²⁺):
Alkalinity by Titration:	mg/L	meq/L		Organic Acids:	mg/L	meq/L	
Bicarbonate (HCO ₃ ⁻):	454.0	7.4		Formate:	ND		Aluminum (Al ³⁺):
Carbonate (CO ₃ ²⁻):	ND			Acetate:	ND		Chromium (Cr ³⁺):
Hydroxide (OH ⁻):	ND			Propionate:	ND		Cobalt (Co ²⁺):
aqueous CO ₂ (ppm):	460.0			Butyrate:	ND		Copper (Cu ²⁺):
aqueous H ₂ S (ppm):	34.0			Valerate:	ND		Molybdenum (Mo ²⁺):
aqueous O ₂ (ppb):	ND						Nickel (Ni ²⁺):
Calculated TDS (mg/L):	279352						Tin (Sn ²⁺):
Density/Specific Gravity (g/cm ³):	1.1850						Titanium (Ti ²⁺):
Measured Density/Specific Gravity	1.1930						Vanadium (V ²⁺):
Conductivity (mmhos):	ND						Zirconium (Zr ²⁺):
MCF/D:	No Data						Total Hardness:
BOPD:	No Data						
BWPD:	No Data			Anion/Cation Ratio:	0.90		84549 N/A

Conditions		Barite (BaSO ₄)		Calcite (CaCO ₃)		Gypsum (CaSO ₄ ·2H ₂ O)		Anhydrite (CaSO ₄)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
86°F	15 psi	0.61	1.572	2.46	121.509	0.04	27.755	0.03	14.806
104°F	24 psi	0.50	1.426	2.46	121.327	0.05	32.728	0.11	52.396
122°F	34 psi	0.40	1.242	2.48	121.307	0.05	32.624	0.19	82.084
141°F	43 psi	0.29	1.015	2.50	121.298	0.05	30.347	0.28	106.873
159°F	53 psi	0.19	0.742	2.52	121.276	0.04	27.045	0.36	127.877
177°F	62 psi	0.10	0.420	2.54	121.244	0.04	23.057	0.44	145.605
195°F	72 psi	0.01	0.049	2.56	121.216	0.03	18.245	0.53	160.394
214°F	81 psi	-0.07	0.000	2.58	121.247	0.02	12.141	0.62	172.553
232°F	91 psi	-0.15	0.000	2.60	121.323	0.01	4.001	0.70	182.402
250°F	100 psi	-0.23	0.000	2.62	121.421	-0.01	0.000	0.78	190.260

Conditions		Celestite (SrSO ₄)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO ₃)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
86°F	15 psi	0.66	223.913	-0.27	0.000	3.17	16.512	1.11	19.455
104°F	24 psi	0.67	226.092	-0.29	0.000	3.04	16.505	1.16	19.734
122°F	34 psi	0.68	227.304	-0.30	0.000	2.96	16.500	1.23	20.018
141°F	43 psi	0.68	228.166	-0.32	0.000	2.90	16.495	1.29	20.236
159°F	53 psi	0.69	229.063	-0.34	0.000	2.85	16.492	1.34	20.389
177°F	62 psi	0.70	230.216	-0.35	0.000	2.81	16.488	1.37	20.486
195°F	72 psi	0.70	231.713	-0.37	0.000	2.78	16.485	1.39	20.538
214°F	81 psi	0.72	233.533	-0.39	0.000	2.76	16.483	1.40	20.570
232°F	91 psi	0.73	235.573	-0.40	0.000	2.75	16.482	1.40	20.571
250°F	100 psi	0.74	237.670	-0.42	0.000	2.73	16.481	1.38	20.534

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered

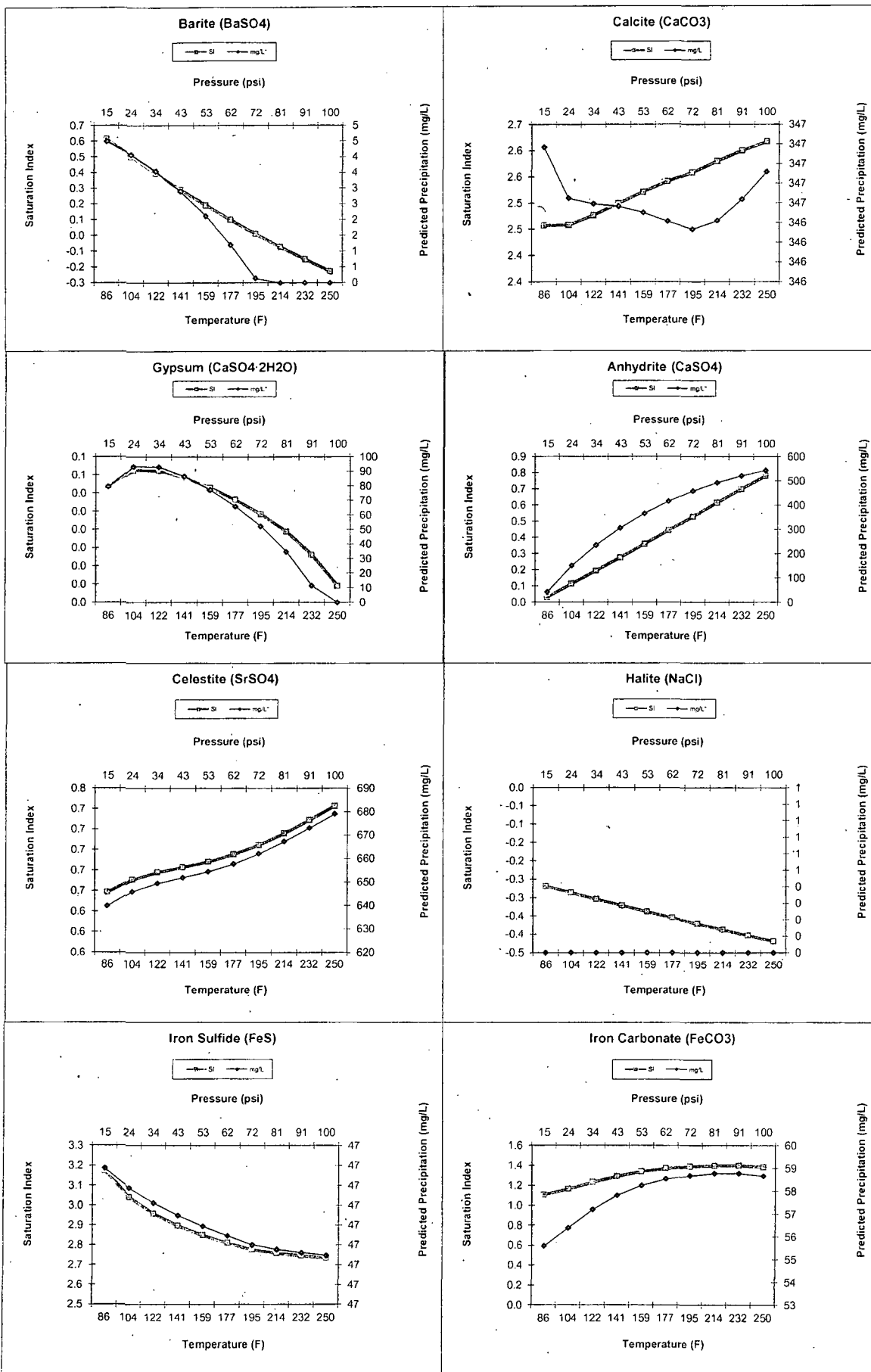
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales.

Note 3: Saturation Index predictions on this sheet use pH and alkalinity; %CO₂ is not included in the calculations.



ScaleSoft Pitzer™
SSP2010

Comments: Well



Todd 25 BC Battery
Unit A S25 T23S R31E
605FNL 615 FEL
Eddy County
API # 30-015-27696

Production System: Open

1) Oil sales by tank gauge to tank truck.

2) Seal requirements:

A. Production Phase: On all Tanks.

(1) All valves 5 sealed closed.

Sales Phase: Lact.

(1) Valve 1 sealed open.

(2) Valve 3 sealed closed.

(3) Valve 4 sealed closed.

(4) Valve 5 sealed 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 closed.

Ledger for Site Diagram

Valve #1: Production Line

Valve #2: Test or Roll line

Valve #3: Equalizer Line

Valve #4: Circ./Drain Line

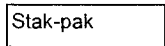
Valve #5: Sales Line

Valve #6: BS&W Load Line

Buried Lines: -----

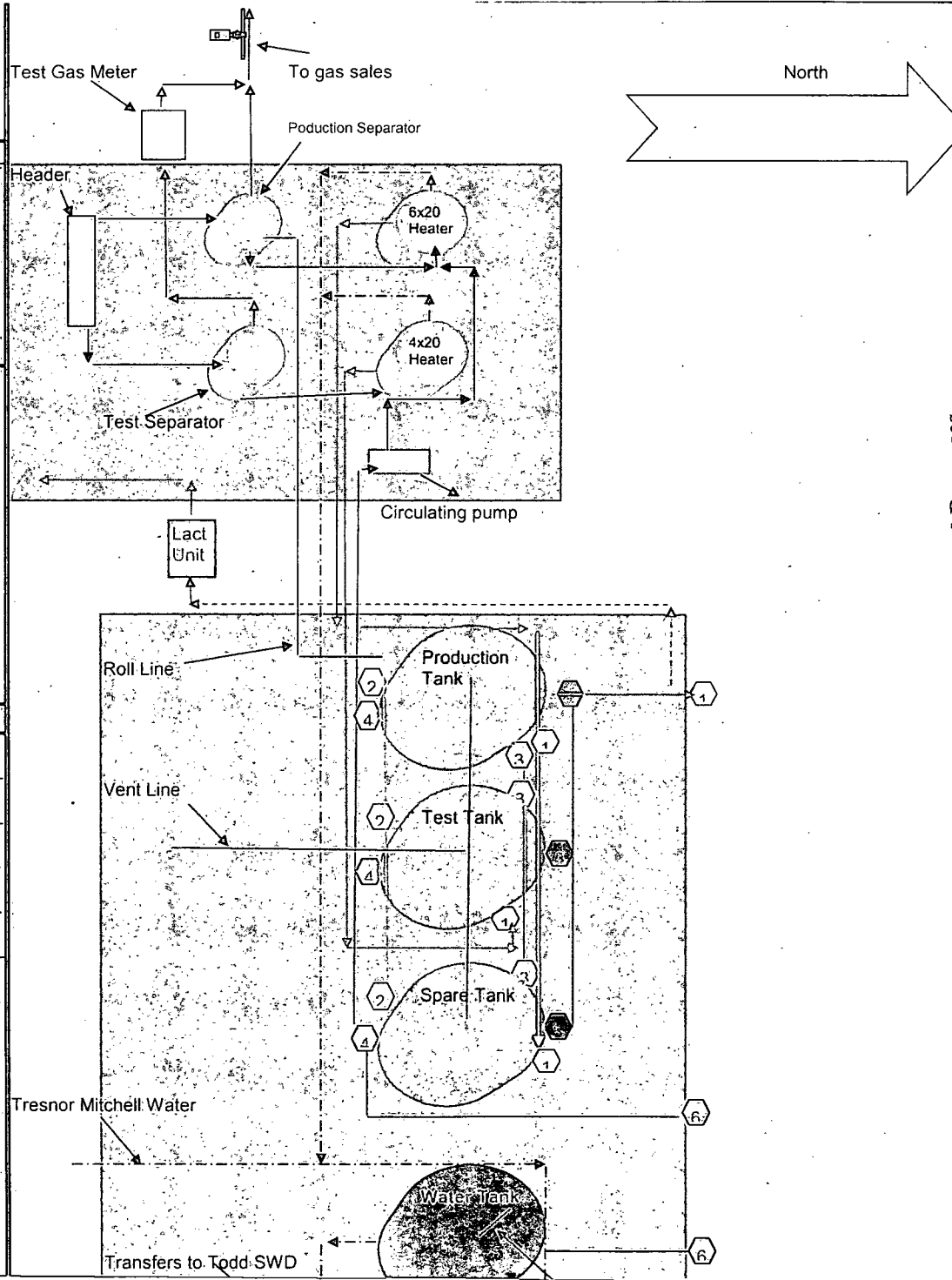
Firewall: 

Wellhead: 

Stak-pak: 

Production line: _____

Water line: -----



Accepted for Record Purposes.
Approval Subject to Onsite Inspection.

Date: 7/18/14
[Signature]

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