

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0405444
2. Name of Operator DEVON ENERGY PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: JEANETTE BARRON Email: JEANETTE.BARRON@DVN.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 575-748-1813	8. Well Name and No. TODD 15G FEDERAL 7
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T23S R31E SWNE 1980FNL 1980FEL		9. API Well No. 30-015-32659-00-S1
		10. Field and Pool, or Exploratory INGLE WELLS-DELAWARE
		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 recomplete 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 recompletion 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
- Delaware Formation
 - 35 BBLS Water produced per day
 - 2-500 BBLS Tanks
 - Water is piped
 - Devon Energy Operator
 - SWD Facility Todd 26-2 SWD # 493
 - SWD Facility Back-up Barclay 11 Fed 1 SWD # 935

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 25 2014

RECEIVED

APD 7-29-14
Accepted for record
NMBOD

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #250036 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 (14C0470SE)	
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 _____
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.	

APPROVED

JUL 18 2014 Date

JAMES A. AMOS
SUPERVISOR

WATER PRODUCTION & DISPOSAL INFORMATION

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

Site Name: Todd 15-7

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

Delaware

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

35 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.)

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information

Sample Name Todd 15 G Fed #7(13155053)
Injection Date 2014-03-11 16:03:47

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	4.5316	0.000
Methane	72.4103	0.000
CO2	0.0711	0.000
Ethane	11.5831	3.109
H2S	0.0000	0.000
Propane	6.9227	1.914
iso-Butane	0.8080	0.265
n-Butane	2.0468	0.648
iso-Pentane	0.5009	0.184
n-Pentane	0.4875	0.177
Hexanes Plus	0.6380	0.278
Water	0.0000	0.000
Total:	100.0000	6.575

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	70.0	
Flowing Pressure (psia)	50.0	
Gross Heating Value (BTU / Real cu.ft)	1283.8	1262.0
Relative Density (G), Real	0.7768	0.7744
Total GPM	6.575	6.563
Total Molecular Weight	22.420	22.343



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

Report Date: 6/25/2014

Complete Water Analysis Report SSP v.8

Customer:	DEVON ENERGY	Sample Point Name	TODD 15G FED 7
District:	New Mexico	Sample ID:	201401010621
Sales Rep:	Gene Rogers	Sample Date:	6/17/2014
Lease:	TODD 15G FED	Log Out Date:	6/24/2014
Site Type:		Analyst:	Sandra Sanchez
Sample Point Description:			

DEVON ENERGY, TODD 15G FED, TODD 15G FED 7

Field Data			Analysis of Sample							
Initial Temperature (°F):	250		Anions:		mg/L	meq/L	Cations:		mg/L	meq/L
Final Temperature (°F):	86		Chloride (Cl ⁻):	169900.0	4792.7	Sodium (Na ⁺):	74938.9	3261.0		
Initial Pressure (psi):	100		Sulfate (SO ₄ ²⁻):	336.0	7.0	Potassium (K ⁺):	1687.7	43.2		
Final Pressure (psi):	15		Borate (H ₃ BO ₃):	157.7	2.6	Magnesium (Mg ²⁺):	4252.7	350.0		
pH:			Fluoride (F ⁻):	ND		Calcium (Ca ²⁺):	25573.6	1276.1		
pH at time of sampling:	6.6		Bromide (Br ⁻):	ND		Strontium (Sr ²⁺):	1336.8	30.5		
			Nitrite (NO ₂ ⁻):	ND		Barium (Ba ²⁺):	3.1	0.0		
			Nitrate (NO ₃ ⁻):	ND		Iron (Fe ²⁺):	40.0	1.4		
			Phosphate (PO ₄ ³⁻):	ND		Manganese (Mn ²⁺):	6.4	0.2		
			Silica (SiO ₂):	ND		Lead (Pb ²⁺):	ND			
						Zinc (Zn ²⁺):	0.0	0.0		
Alkalinity by Titration:	mg/L	meq/L	Organic Acids:		mg/L	meq/L	Aluminum (Al ³⁺):	ND		
Bicarbonate (HCO ₃ ⁻):	48.0	0.8	Formate:	ND		Chromium (Cr ³⁺):	ND			
Carbonate (CO ₃ ²⁻):	ND		Acetate:	ND		Cobalt (Co ²⁺):	ND			
Hydroxide (OH ⁻):	ND		Propionate:	ND		Copper (Cu ²⁺):	ND			
aqueous CO ₂ (ppm):	34.0		Butyrate:	ND		Molybdenum (Mo ²⁺):	ND			
aqueous H ₂ S (ppm):	20.0		Valerate:	ND		Nickel (Ni ²⁺):	ND			
aqueous O ₂ (ppb):	ND					Tin (Sn ²⁺):	ND			
Calculated TDS (mg/L):	278281					Titanium (Ti ²⁺):	ND			
Density/Specific Gravity (g/cm ³):	1.1818					Vanadium (V ²⁺):	ND			
Measured Density/Specific Gravity	1.1990					Zirconium (Zr ²⁺):	ND			
Conductivity (mmhos):	ND					Total Hardness:	82981	N/A		
MCF/D:	No Data		Anion/Cation Ratio:	0.97						
BOPD:	No Data									
BWPD:	No Data									

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	0.46	1.225	0.92	6.362	-0.06	0.000	-0.08	0.000
104°F	24 psi	0.35	1.038	0.84	5.828	-0.06	0.000	0.00	0.629
122°F	34 psi	0.24	0.801	0.77	5.310	-0.06	0.000	0.08	28.050
141°F	43 psi	0.14	0.510	0.71	4.831	-0.07	0.000	0.16	51.182
159°F	53 psi	0.04	0.160	0.65	4.406	-0.07	0.000	0.24	70.932
177°F	62 psi	-0.06	0.000	0.60	4.040	-0.08	0.000	0.33	87.689
195°F	72 psi	-0.14	0.000	0.56	3.735	-0.09	0.000	0.41	101.718
214°F	81 psi	-0.23	0.000	0.52	3.485	-0.10	0.000	0.50	113.281
232°F	91 psi	-0.31	0.000	0.50	3.286	-0.11	0.000	0.58	122.663
250°F	100 psi	-0.39	0.000	0.47	3.132	-0.13	0.000	0.66	130.159

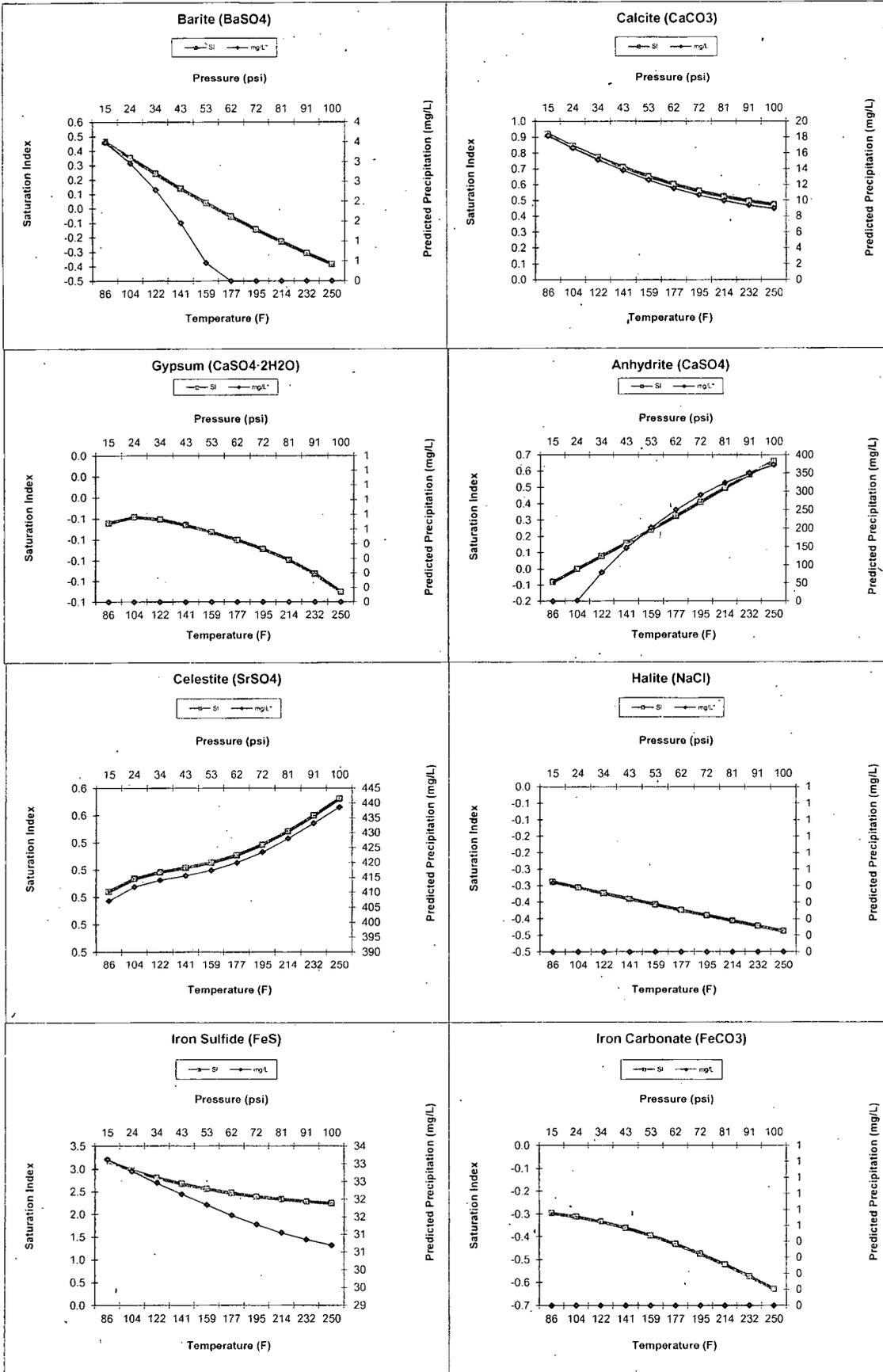
Conditions		Celestite (SrSO ₄)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO ₃)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
86°F	15 psi	0.50	142.512	-0.29	0.000	3.17	11.596	-0.30	0.000
104°F	24 psi	0.51	144.132	-0.31	0.000	2.97	11.476	-0.31	0.000
122°F	34 psi	0.52	144.930	-0.32	0.000	2.81	11.362	-0.33	0.000
141°F	43 psi	0.52	145.461	-0.34	0.000	2.67	11.250	-0.36	0.000
159°F	53 psi	0.53	146.076	-0.36	0.000	2.56	11.143	-0.39	0.000
177°F	62 psi	0.53	146.976	-0.37	0.000	2.47	11.042	-0.43	0.000
195°F	72 psi	0.54	148.234	-0.39	0.000	2.39	10.948	-0.47	0.000
214°F	81 psi	0.55	149.824	-0.41	0.000	2.33	10.867	-0.52	0.000
232°F	91 psi	0.56	151.640	-0.42	0.000	2.29	10.799	-0.57	0.000
250°F	100 psi	0.57	153.520	-0.44	0.000	2.25	10.740	-0.63	0.000

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.



ScaleSoftPitzer™
SSP2010

Comments:



Todd 15 Battery
 Todd 15-7 API 30-015-32659
 Unit G S15 T23S R31E
 1980 FNL & 1980 FEL
 Eddy County

Production System: Closed

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: On Tank being hauled.

(1) Valve 1 sealed closed. 

(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 

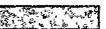
Valve #3: Equalizer Line 

Valve #4: Circ./Drain Line 

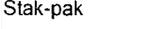
Valve #5: Sales Line 

Valve #6: BS&W Load Line 

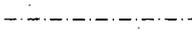
Buried Lines: 

Firewall: 

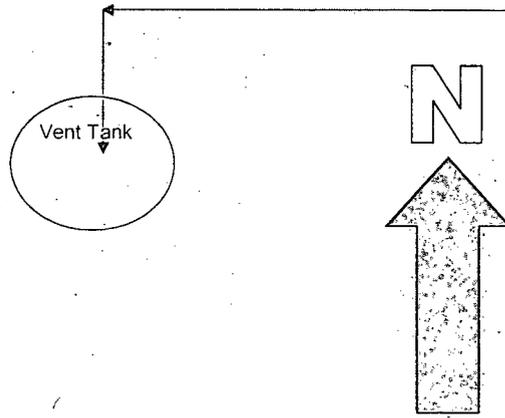
Wellhead: 

Stak-pak: 

Production line: 

Water line: 

Gas Meter   



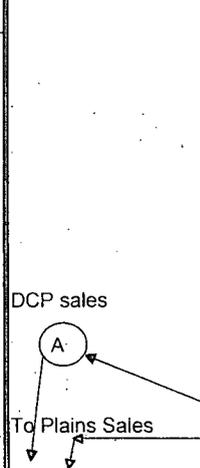
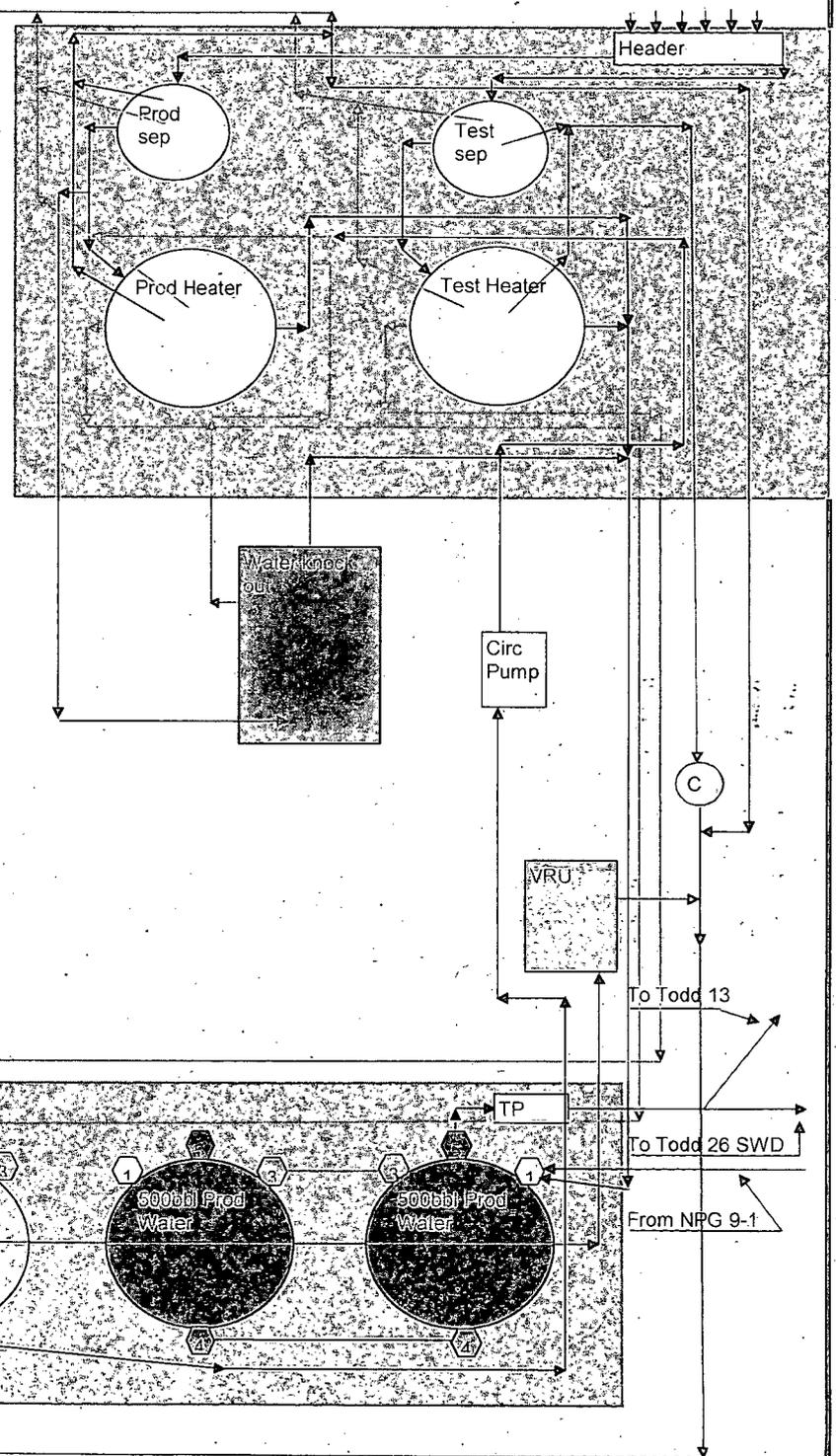
Todd 15 Bty

N 32.3061 W 103.763

Accepted for Record Purposes.
 Approval Subject to Onsite Inspection.

Date: 7/18/14

Michael Ormrod



UNITED STATES Artesia, N.M.
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF WRITTEN ORDER

IDENTIFICATION	
ID	
Lease	NMNM0405444
CA	
Unit	
PA	

Bureau of Land Management Office CARLSBAD FIELD OFFICE	Operator DEVON ENERGY PRODUCTION CO LP
Address 620 E GREENE STREET CARLSBAD NM 88220	Address 333 WEST SHERIDAN AVE OKLAHOMA CITY OK 73102
Telephone 575 234 5972	Attention
Inspector BALLIETT	Attn Addr

Site Name TODD 23-4	Well/Facility/FMP D	1/4 1/4 Section NESE 23	Township 23S	Range 31E	Meridian NMP	County EDDY	State NM
Site Name TODD 15-07	Well/Facility/FMP G	1/4 1/4 Section SWNE 15	Township 23S	Range 31E	Meridian NMP	County EDDY	State NM
Site Name	Well/Facility/FMP	1/4 1/4 Section	Township	Range	Meridian	County	State

The following condition(s) were found by Bureau of Land Management Inspectors on the date and at the site(s) listed above.

Date	Time (24-hour clock)	Corrective Action to be Completed by	Authority Reference
05/28/2014	13:23	06/28/2014	43 CFR 3162.7-5(b)(6), 43 CFR 3162.1(a)

Remarks:
AN INSPECTION IS BEING PERFORMED ON FEDERAL LEASE NMNM0405444 SEC. 23 T23S R31E EDDY COUNTY, NEW MEXICO. IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF 43 CFR 3162.7-5(b) (6), PROVIDE THE FOLLOWING SOURCE DOCUMENTS PER 43 CFR 3162.1(a). COVERING THE DATES 10/01/2013 THROUGH 03/31/2014. YOUR COOPERATION & ASSISTANCE WILL BE APPRECIATED.
1. MOST RECENT GAS ANALYSIS REPORT
2. CURRENT AND ACCURATE SITE FACILITY DIAGRAMS FOR FACILITIES AS PER ONSHORE ORDER #3, INCLUDING A LIST OF WELLS ASSOCIATED WITH FACILITIES (SEE ATTACHMENT)
3. SUBMIT WATER DISPOSAL PLAN AS PER ONSHORE ORDER #7(SEE ATTACHMENT)

(Remarks continued on following page(s).)

Asst. Foreman *Kenn Phillips* 6-25-14
Please see attached information.

Warning

The Authorized Officer has authority to issue a Written Order in accordance with 43 CFR 3161.2. Written Order correction and reporting time frames begin upon receipt of this Notice or 7 business days after the date it is mailed, whichever is earlier. Each stipulation must be corrected within the prescribed time from receipt of this Notice and reported to the Bureau of Land Management Office at the address shown above. If you do not comply as noted above under "Corrective Action to be Completed By" you shall be issued an Incident of Noncompliance (INC) in accordance with 43 CFR 3163.1(a). Failure to comply with the INC may result in assessments as outlined in 43 CFR 3163.1 and may also incur civil penalties (43 CFR 3163.2). All self-certified corrections must be postmarked no later than the next business day after the prescribed time frame for correction.

Section 109(d)(1) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3163.2(f)(1), provides that any person who "knowingly or willfully" prepares, maintains, or submits false, inaccurate, or misleading reports, notices, affidavits, records, data, or other written information required by this part shall be liable for a civil penalty of up to \$25,000 per violation for each day such violation continues, not to exceed a maximum of 20 days.

Review and Appeal Rights

A person contesting a decision shall request a State Director review of the Written Order. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Signature of Bureau of Land Management Authorized Officer <i>[Signature]</i>	Date 05/28/14	Time 13:38
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FOR OFFICE USE ONLY

Number 51	Date	Type of Inspection
cc - Jeannette		cc - Kevin
cc - Daniel		cc - DM
cc - Was		Sharent

BLM Remarks, continued

ALL DOCUMENTS SHOULD BE PROPERLY REFERENCED

SUBMIT THE ABOVE INFORMATION TO & IF YOU HAVE ANY QUESTIONS CONTACT

ATTN: MICHAEL BALLIETT

PETROLEUM ENGINEERING TECHNICIAN

BUREAU OF LAND MANAGEMENT

620 EAST GREENE STREET

CARLSBAD, NM 88220

E-MAIL: mballiett@blm.gov

OFFICE: (575) 234-5933 FAX: (575) 234-5927

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