

EPWM - 011

CLOSURE

2013



CH2M HILL
12301
Research Blvd
Austin, Texas
78759
Tel
512-249-3320

RECEIVED OCD

2013 AUG 30 P 2: 43

August 28, 2013

Brad Jones
1220 S. St. Francis Drive
Santa Fe, NM, 87505

Subject: Closure Documentation for the Turquoise 27-5 Temporary Pit

Dear Brad:

Enclosed you will find the Summary of Treatment Operations and the completed C-144 Form and Closure Report for the temporary pit at Devon's Turquoise 27-5 well in Eddy County. Thank you for patience and willingness to work with us throughout the course of this project. Please don't hesitate to contact us should you have any questions or concerns.

Sincerely,

CH2M HILL

Daniel Frazier
Water Engineer II

Closure Summary for Treatment Operations (EPWM-011)

PREPARED FOR: Brad Jones - New Mexico Oil
Conservation Division's
Environmental Bureau

PREPARED BY: Devon Energy

DATE: August 28, 2013

Devon Energy is submitting the following summary of the closure activities as a condition of the Oil Conservation Division's approval (EPWM-011) for Devon's request to treat, store, and use produced water for fracturing operations at the Turquoise 27-005H well.

Summary of Operations

Devon Energy completed the fracture stimulation at the Turquoise 27-005H well on March 30, 2013 at which time a cap plug was set in the well. A total of 47,555 bbls of water was transported to the location for use in the fracture treatment of the well. This total volume was comprised of 41,035 bbls of produced water and 6,520 bbls of freshwater. The fresh water was placed into the Poseidon modular impoundment to secure the liner of the impoundment prior to transfer of the treated produced water. All 41,035 bbls of the produced water which was hauled to the site was treated by the Baker Hughes H2prO™ treatment system. The total volume of water used during the wellbore stimulation was 44,195 bbls, leaving a difference of 3,360 bbls of treated produced water to be properly disposed. **Table 1** provides a brief summary for the volumes of water used during this project.

Attachment A provides photographs of the Turquoise 27-005H site before, during, and after treatment and wells stimulation operations. Additionally, Baker Hughes completed a project summary which is included in **Attachment B**.

TABLE 1

Summary of Water Volumes (bbls)

Produced Water Transported to Site and Treated	Fresh Water Transported to Site	Water Used for Wellbore Stimulation	Water Transported Offsite for Disposal
41,035	6,520	44,195	3,360

Closure Activities

Fracturing operations at the Turquoise 27-005H well were completed on May 30, 2013. Devon Energy began implementing their closure plan for treatment operations the same day the well stimulation was completed.

Closure of the treatment operations began with Devon removing all treated produced water from the project location. This was accomplished by transferring any unused produced water and treated produced water from Baker Hughes' H2prO™ treatment unit, settling and weir tanks, raw water storage facilities (frac tanks), and treated produced water storage facilities (frac tanks and Poseidon modular impoundment) via vacuum trucks operated by Steve Kent Trucking NM, LLC (C133-246) and Stone Oilfield Services, LLC (C133-173). Additionally, all the solids (sludge) resulting from the treatment process were removed by from the bottom of the settling unit by Steve Kent Trucking with 3" vacuum hoses connecting the 3" valves on the bottom of the filtration box and weir tanks to the vacuum truck. Devon Energy placed drip pans under each hose connection to contain any leakage at

the connections. After each of the hoses was disconnected, any remaining fluids were collected in the drip pan. All fluids collected in the drip pans were then discarded in the tank of the vacuum truck.

After the standing water was transferred from the treatment unit and ancillary facilities, Devon utilized a fresh water pressurized-spray power washer to rinse all surfaces of the storage units which were exposed to produced water and treated produced water during storage. The water used during the rinsing of the equipment and storage facilities was then collected and transferred via vacuum hoses by Steve Kent Trucking into their approved hauler. Once transfer was completed, Steve Kent Trucking and Stone Oilfield Services hauled the produced water and solids sludge offsite for disposal. The removal of treated produced water and sludge from the site began occurred over the course of two days from March 31st through April 1st.

The produced water removed from the site was transported from by Steve Kent Trucking and Stone Oilfield Services, LLC (C133-173) and injected in the facilities listed in **Table 2**. The solids sludge was transported by Steve Kent Trucking to the R360 Permian Basin, LLC (NM-1-006/R-9166) and Sundance Services, Inc (NM-1-3) disposal facilities. Copies of the C-138 manifests for all sludge and solids disposal are included in **Attachment C**.

TABLE 2
Disposal Facilities

Facility Name	Facility Operator	Order Number	API Number
Sand Hills SWD Well No. 1	Havenor Operating Co.	SWD-1182	30-015-29104
Loco Hills Water Disposal No. 1	Ray Westall Operating, Inc.	SWD- 1089	30-015-03979
Anderson No. 001	J Cooper Enterprises, Inc.	R-12375	30-025-29962

Following removal of the produced water and solids sludge from the treatment unit and ancillary facilities, Devon Energy began to break down all equipment on site to be demobilized. The equipment to be demobilized from the site included the H2prO™ treatment unit, weir tank, filter box, chemical trailer, pump, 8 frac tanks holding untreated produced water, 2 frac tanks holding treated produced water, and the Poseidon modular impoundment. Demobilization of onsite equipment began on April 1st and was completed on April 2nd.

After all equipment used during the treatment process was demobilized from the site, Devon Energy began to remove the site’s secondary containment. The secondary containment included an earthen berm lined with a 35-mil polyurethane chemical resistant treated fabric. Devon Energy removed all components of the secondary containment system and transported them via Bmb Rentals, LLC to the R360 Permian Basin, LLC (NM-1-006/R-9166) disposal facility.

Once the secondary containment system was removed, Devon Energy inspected the pad for any staining as an indication of an unauthorized release of produced water. No staining was found on the pad. Additionally, Devon Energy inspected the location to determine if any vegetation outside the existing location had been disturbed. Upon inspection, Devon Energy verified that no vegetation outside the existing location had been disturbed.

In accordance with the agreement between Devon Energy and the State Land Office, Devon Energy reclaimed the location as an active production pad for the Turquoise 27-005H well as an alternative to re-vegetation. Devon Energy will re-vegetate the site pursuant to the provisions under NMAC 19.15.17.13.I during closure of the Turquoise 27-005H well.

Attachment A: Site Photos

FIGURE A-1
Turquoise 27-005H Location Prior to Pad Construction



FIGURE A-2
Turquoise 27-005H Location Prior to Pad Construction



FIGURE A-3

Signed Location with Treatment and Storage Equipment in the Background

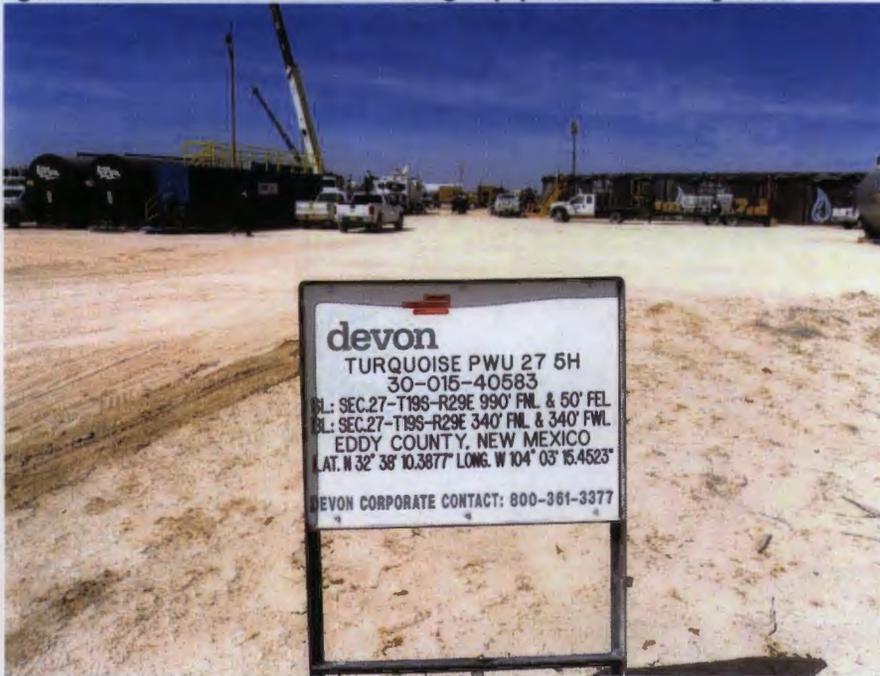


FIGURE A-4

Poseidon Modular Impoundment and BHI H2prO Treatment Unit



FIGURE A -5
Frac Tanks



FIGURE A-6
Frac Header



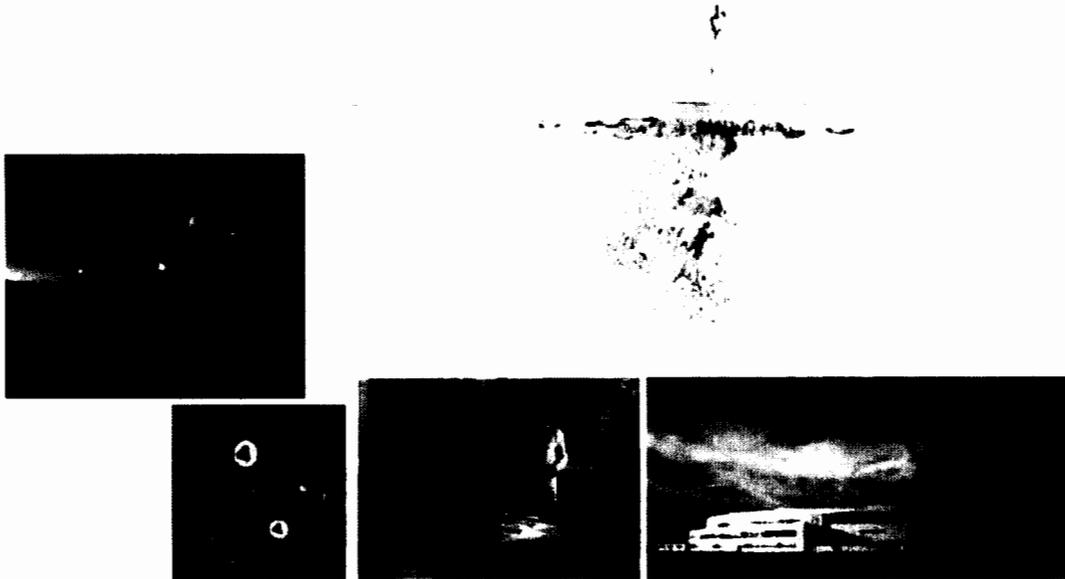
FIGURE A-7
Location after All Treatment and Storage Equipment Was Removed



Attachment B: Baker Hughes Post-Job Report

Devon Energy

Post-Job Report Turquoise 27A-19S-29E



Baker Hughes Oilfield Operations
US Land

Water Management
Surface Water Treatment Systems



© 2010 Baker Hughes Incorporated. All rights reserved



March 31st, 2013

Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK

Attention: James Cromer – Completions Engineer

Re: Post Water Treatment Report: Turquoise 27A-19S-29E

Baker Hughes Water Management, a wholly owned subsidiary of Baker Hughes Incorporated (BHI), is pleased to offer Devon this report for water treatment services in the Permian Basin operating area. The results of water treated for the Turquoise 27A-19S-29E are offered in this report. Baker Hughes welcomes the opportunity to discuss any and all inquiries on Turquoise 27A-19S-29E water treatment results.

Baker Hughes Water Management personnel are trained to utilize all necessary operations, technical, engineering and manufacturing resources to achieve the targeted economic and operational goals for this project.

Baker Hughes' lab and technical personnel utilizing a blend of common and proprietary testing methods concluded the analysis in this report.

Please feel free to contact the undersigned and/or Bryant Cormier, Water Management Operations Project Manager US Land at 713.447.1623, should you have questions or require further information. Baker Hughes appreciates the opportunity for allowing us to provide Best in Class solutions to Devon. Baker Hughes looks forward to future endeavors with Devon.

Sincerely,

Kushal Seth | Application Lead, Water Management
Baker Hughes | Water Management Solutions
Office: 832.559.4681 | Fax: 281.357.2791
Cell: 832.344.6983 | kushal.seth@bakerhughes.com
<http://www.bakerhughes.com> | *Advancing Reservoir Performance*

Devon Energy
Post-Job Report



Section A – Scope of Work

The job was designed to treat 40,000 barrels of produced water at Devon Turquoise 27A site, contaminated with TSS, Iron and other heavy metals. The produced water was to be treated with an enhanced H2prO™ HMS technology (Electrocoagulation) for the reduction of TSS, Iron, heavy metals and other contaminants. The goal of the treatment is to reclaim and utilize water, otherwise deemed waste water, for water frac reuse and cost benefit purposes.

Section B – Average Water Quality

Water samples provided on the field were collected and analyzed in Odessa using standard lab testing procedures. Please refer to Section E for more information on complete water analysis.

Section C – Treatment & Discussion

Baker Hughes water treatment knowledge and technology proved successful on Devon Turquoise 27A produced water treatment. BHI H2prO™ HMS (EC) was used in conjunction with a patent pending technology to treat the produced water containing such high levels of TSS and Iron while completely removing percentages of other heavy metals and other contaminants.

While the primary target of H2prO™ EC is TSS and heavy metals like iron, we also project 5-10% reduction in other cations and anions that further help in formulating a stable frac fluid.

Surface applications of EC are focused on water in pits or tanks and surface vessels. Treatment of surface vessels, tanks, and pipelines is primarily for iron, TSS and other contaminants removal that prevent produced and flowback water reuse in fracturing operations. Removal of such contaminant is also important for disposal operations as they can cause near wellbore plugging.

Water Variation

Due to the variability in water chemistry from sourcing water from 27 different wells in the Devon field, BHI conducted a 7 day sample testing and analysis on the site to better understand the changes and the processes that needs to be in place to treat the water effectively.

The job was designed based on the understanding and knowledge gained from the sample testing on the field and in the lab.

We were able to treat 41,893bbls through the H2prO™ HMS (EC) system. To overcome the initial variance in the water quality and prevent any upset going to the treated water tank, 858 bbl of water was rerun through the treatment process to achieve the desired effluent quality standards. Hence, the net volume of fluid that was treated and available for reuse was 41,035bbls.

Treatment
Iron (ppm) and Turbidity (FAU) for raw and treated water are shown below.

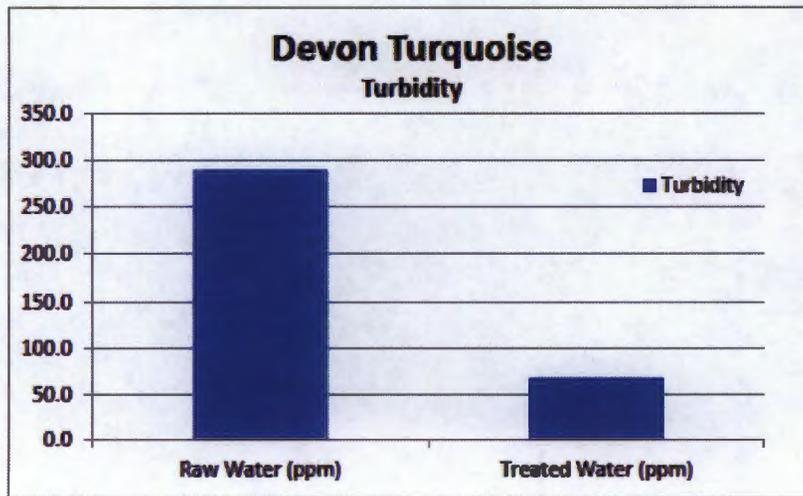
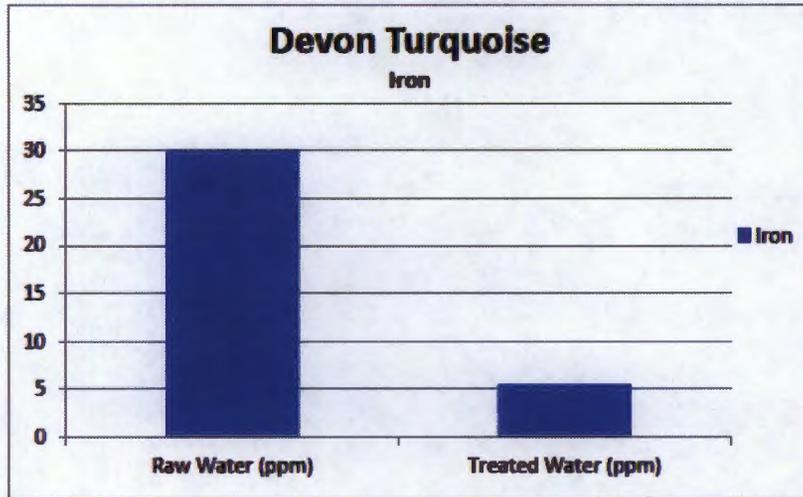


Figure 1: Water Quality Parameters for Devon Turquoise

Treatment Layout

The process flow for the job executed was almost similar to the one shown below. The raw water was pulled from the storage tanks, treated through the Electrocoagulation unit and filtered to achieve the final desired water quality. The treated water was collected in a 41,000bbls Poseidon tank.

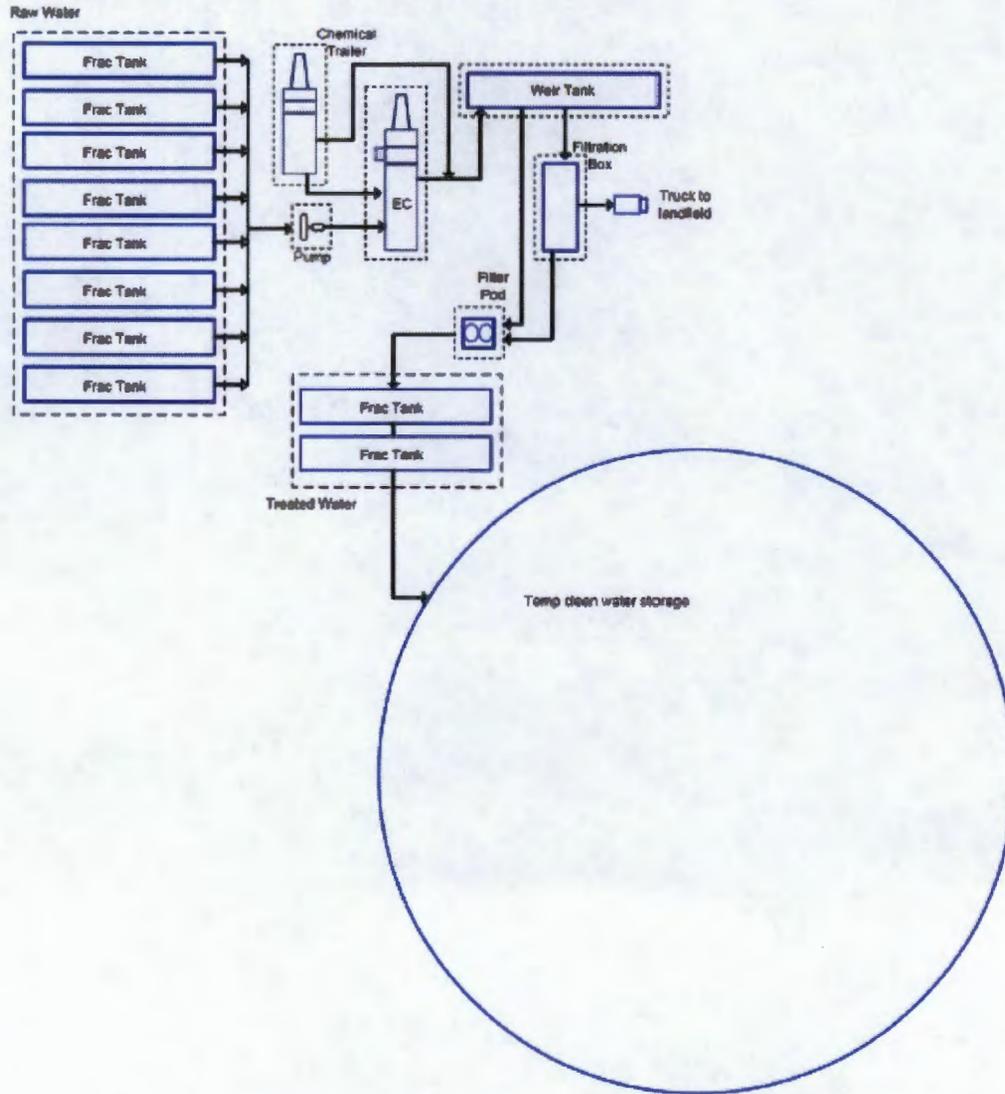


Figure 2 : Process Flow - Devon Turquoise 27A

Treated water was tested several times in the Odessa fracturing fluid laboratory to verify that a compatible frac fluid can be successfully designed.

Turquoise 27A well was successfully fractured with the treated water on March 31st 2013.

Section D – Pictures



Figure 3 : Set up



Figure 4 : Storage for treated water



Figure 5: Set Up



Figure 6: Treated Water Storage



Section E – Testing Summary

Several water samples were actually taken and are included here for completeness.

BAKER HUGHES PERMIAN AREA LAB, ODESSA (432) 530-2667 WATER ANALYSIS			PFS Water.11
OPERATOR: Devon	ANALYSIS DATE: 03/07/13	QTR: 1	
WELL: Composite: Onyx/Coral/Turquoise	SAMPLE DATE: 03/05/13		
FORMATION:	DISTRICT: Water Management		
FIELD:	REQUESTED BY: Bryant Cormier		
COUNTY:	ANALYST: Lascano/Hines/Gomez		
DEPTH:	SOURCE: Battery		
WATER TYPE: Produced	NUMBER: 97	PROJ HRS: 0.5	

REMARKS	
: Reducing Agents: Present	BF7L Precipitate: Severe
: Reported by: Jenifer Lascano	Verified by: Larry Hines

Specific Gravity: 1.125 @ 66 F	pH: 6.04			
Resistivity: ND	H2S: None Detected			
Calculations	CATIONS (+)	MG/LITER	MEQ/LITER	PPM
Size Titrant	Sodium (calc)	: 64,516	: 2,817.29	: 57,348
: 1.0 : 18.0	Calcium	: 7,218	: 360.18	: 6,416
: 1.0 : 5.7	Magnesium	: 1,385	: 113.94	: 1,231
	Barium	:	:	:
	Potassium	:	:	:
	Iron	: 26.64	: .95	: 23.680
Calculations	ANIONS (-)			
Size Titrant	Chloride	: 116,000	: 3,272.21	: 103,111
: 1.0 : 5.8	Sulfate	: 776	: 16.16	: 690
	Bicarbonate	: 244	: 4.00	: 217
	Carbonate	: 0	: .00	: 0
	Hydroxide	: 0	: .00	: 0
Total Dissolved Solids : 169,036 PPM	SCALING -> CaSO4 Scale: POSSIBLE			
Total Hardness as CaCO3: 21,091 PPM	TENDENCIES-> CaCO3 Scale: PROBABLE			

The alkalinity is reported as ppm HCO3-, CO3--, & OH--. ND* NOT DETERMINED

The above data is for informational purposes, and Baker Hughes makes no guarantees or warranties, either expressed or implied, with respect to the accuracy or use of these data and interpretations.

Table 1 : Produced-Raw Water analysis

Attachment C: C-138 Manifests



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
 Hobbs, NM 88241

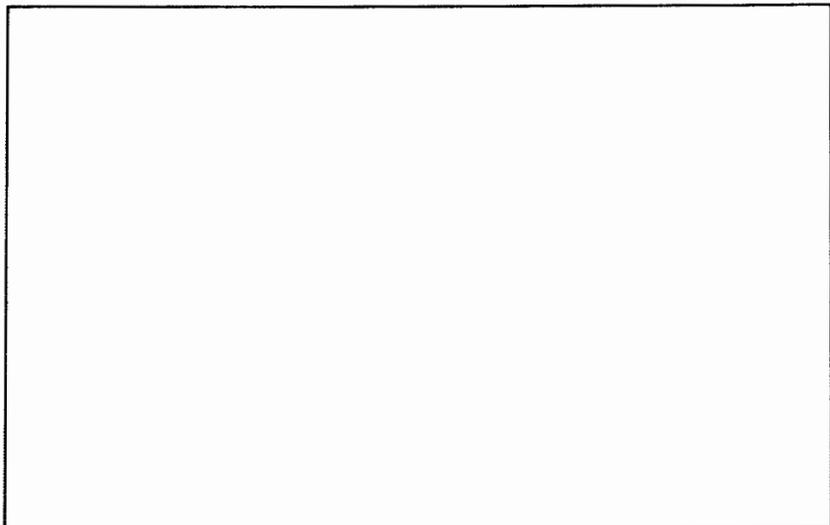
Invoice

Date: 4/16/2013
Invoice #: C109458

Terms: Due Upon Receipt
Generator: DEVON ENERGY PRODUCTION CO
Lease: TURQUOISE PWU 27
Well: 5H
Rig:
PO:
Memo:

Bill To
 DEVON ENERGY PRODUCTION CO, L.P.
 P.O. Box 250
 Artesia, NM 88211-0250

4500008263



Item	Qty	Desc	Disc	Price	Amount	Ticket	Date	3rd Party #	Co. Man	Trucking Co
Oil-Contaminated Debris (RCRA Exempt)	20.00	LINERS		\$29.00	\$580.00	245058H	4/2/2013	105631	MIKE BRASWELL	BMB RENTALS
Oil-Contaminated Debris (RCRA Exempt)	25.00	LINERS		\$29.00	\$725.00	245062H	4/3/2013	NA	MIKE BRASWELL	BMB RENTALS
Oil-Contaminated Debris (RCRA Exempt)	25.00	LINERS		\$29.00	\$725.00	245063H	4/3/2013	NA	MIKE BRASWELL	BMB RENTALS
Oil-Contaminated Debris (RCRA Exempt)	25.00	LINERS		\$29.00	\$725.00	245064H	4/3/2013	NA	MIKE BRASWELL	BMB RENTALS
Jet Wash (Recycled Water)	1.00			\$115.00	\$115.00	491631	4/5/2013	NA	MIKE BRASWELL	STEVE KENT TRUCKING
Completion Fluids (NON-INJ)	100.00	mud		\$5.50	\$550.00	492367	4/8/2013	NA	MIKE BRASWELL	STEVE KENT TRUCKING
Jet Wash (Recycled Water)	1.00			\$115.00	\$115.00	492367	4/8/2013	NA	MIKE BRASWELL	STEVE KENT TRUCKING
Completion Fluids (NON-INJ)	130.00	mud		\$5.50	\$715.00	492373	4/8/2013	71500	MIKE BRASWELL	STEVE KENT TRUCKING
Jet Wash (Recycled Water)	1.00			\$115.00	\$115.00	492373	4/8/2013	71500	MIKE BRASWELL	STEVE KENT TRUCKING
Completion Fluids (NON-INJ)	80.00	frac fluids		\$5.50	\$440.00	492856	4/9/2013	72230	MIKE BRASWELL	STEVE KENT TRUCKING
Jet Wash (Recycled Water)	1.00			\$115.00	\$115.00	492856	4/9/2013	72230	MIKE BRASWELL	STEVE KENT TRUCKING

245058

R360 Permlan Basin, LLC

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com

NMOCD Order R9166

Bill to Devon Trk # 105031
CM Mike Prosswell
Ridj NA

Address _____

Company/Generator Devon

Lease Name Turquoise DUU 27 5H

Trucking Company Bmr Rentals Vehicle Number 7 Driver (Print) David

Date 4-2-13 Time 3:00 a.m./p.m. (p.m.)

Type of Material

Fluids Soils

Tank Bottoms Other Material (List Description Below) Receiving Area 50/51

DESCRIPTION

Completion debris (liners)

Volume of Material Bbls. _____ Yard 20 Gallons _____

Wash Out Call Out After Hours Debris Charge

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

R360 Approval # _____

Agent [Signature]
(Signature)

R360 Representative [Signature]
(Signature)

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	POSTED	BS&W	%	
1st Gauge							
2nd Gauge			Free Water				
Received			Total Received				

White - R360

Canary - R360 Accounting

Pink - R360 Plant

Gold - Transporter

Form C138

TCP - #7521



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information Name: Mike Braswell Phone No: 575 513 8232

GENERATOR section with fields for Operator No. (Devon), Location of Origin (Tulsa), and AFE/PO No. (01-00291-05)

Table with columns for waste types: NON-INJECTABLE WATERS, INJECTABLE WATERS, and OTHER EXEMPT WASTES.

WASTE GENERATION PROCESS: DRILLING, COMPLETION (checked), PRODUCTION, GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other: Linear Plastic

QUANTITY: 20 B - BARRELS, 0 L - LIQUID, 0 Y - YARDS, 0 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

RCRA EXEMPT (checked) and RCRA NON-EXEMPT options with checkboxes for MSDS information and RCRA Hazardous Waste Analysis.

EMERGENCY NON-OILFIELD: Mike Braswell (Signature), 4/2/13 (Date)

TRANSPORTER section with fields for Transporter's Name (BMB Rentals), Driver's Name (David Lopez), and Phone No. (575-396-2626)

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

TRUCK TIME STAMP (IN: 4-2-13, OUT: 4-2-13) and DISPOSAL FACILITY (Name/No. 50/51)

Site Name/Address (Halfway Facility / NM1-006), Permit No., and NORM READINGS TAKEN? (NO)

TANK BOTTOMS table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, and BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED (checked) or DENIED. Admin (Signature), 4-2-13 (Date)

R360 Permian Basin, LLC

245062

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com

NMOCD Order R9166

Bill to Devon TKT NA
Address _____ Rig NA

cm: Mike Brasswell

Company/Generator Devon

Lease Name Turquoise PW 4 27 "5

Trucking Company BMB Vehicle Number 1 Driver (Print) Manny

Date 4/3/13 Time 11:11 a.m. p.m.

Type of Material

Fluids Soils
 Tank Bottoms Other Material (List Description Below) Receiving Area 50/51

DESCRIPTION

production debris
(liners)

Volume of Material Bbls. _____ Yard 25 Gallons _____
 Wash Out Call Out After Hours Debris Charge

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

R360 Approval # _____

Agent X *Mary Main*
(Signature)

R360 Representative *Jason DeRos Saates*
(Signature)

TANK BOTTOMS

	Feet	Inches			
1st Gauge			BS&W/BBLS Received		BS&W %
2nd Gauge			Free Water	POSTED	
Received			Total Received		

White - R360

Canary - R360 Accounting

Pink - R360 Plant

Gold - Transporter

Form C138

TCP - #7521

R360 Permian Basin, LLC

245063

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com
NMOCD Order R9166

Bill to Devon TK+ NA
 Address _____ Rig NA
 _____ cm: Mike Brasswell
 Company/Generator Devon
 Lease Name Turquoise DUU 27 # 5
 Trucking Company BMB Vehicle Number 2 Driver (Print) David
 Date 4/3/13 Time 11:11 a.m. / p.m.

Type of Material

Fluids Soils
 Tank Bottoms Other Material (List Description Below) Receiving Area 50/51

DESCRIPTION

Production (Debris Liners)

Volume of Material Bbls. _____ Yard 25 Gallons _____
 Wash Out Call Out After Hours Debris Charge

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
 RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
 MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

R360 Approval # _____

Agent David Lopez (Signature)
 R360 Representative Jacob De Los Santos (Signature)

TANK BOTTOMS

	Feet	Inches			
1st Gauge			BS&W/BBLs Received	POSTED	BS&W %
2nd Gauge			Free Water		
Received			Total Received		

White - R360 Canary - R360 Accounting Pink - R360 Plant Gold - Transporter

R360 Permian Basin, LLC

245064

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com
NMOCD Order R9166

Bill to Devon TKT NA
 Address _____ Rig NA
 _____ Cmt: Mike Brasswell
 Company/Generator Devon
 Lease Name Turquoise PWU 27, #5 H
 Trucking Company BMB Vehicle Number 7 Driver (Print) Mauro
 Date 4/3/13 Time 11:14 (a.m./p.m.)

Type of Material

Fluids Soils
 Tank Bottoms Other Material (List Description Below) Receiving Area 50/51

DESCRIPTION

production (Debris Liners)

Volume of Material Bbls. _____ Yard 25 Gallons _____
 Wash Out Call Out After Hours Debris Charge

GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
 RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
 MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

R360 Approval # _____

Agent X Mauro Hernandez
 (Signature)
 R360 Representative Jason DeRosier
 (Signature)

TANK BOTTOMS

	Feet	Inches			
1st Gauge			BS&W/BBLS Received	POSTED	BS&W %
2nd Gauge			Free Water		
Received			Total Received		

White - R360 Canary - R360 Accounting Pink - R360 Plant Gold - Transporter

Halfway Facility
4507 W. Carlsbad Hwy
Hobbs, New Mexico 88240



Phone: (575) 393-1079
Fax: (575) 393-3615
WWW.R360ES.COM

PERMIAN BASIN REGION

TICKET: 491631

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MICK BRADSWEL Mike Bradswell	Rig:	
Trucking:	STEVE KENT TRUCKING	PO:	
Date:	4/5/2013	Driver:	AC
3rd Party Ticket:	NA	Vehicle:	16

Comments

Type of Materials

Product	Quantity	Area	Description
Jet Wash (Recycled Water)	1.00 hour		

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

Halfway Facility
4507 W. Carlsbad Hwy
Hobbs, New Mexico 88240



Phone: (575) 393-1079
Fax: (575) 393-3615
WWW.R360ES.COM

PERMIAN BASIN REGION

TICKET: 492367

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	2H-5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	STEVE KENT TRUCKING	PO:	
Date:	4/8/2013	Driver:	DAVID
3rd Party Ticket:	NA	Vehicle:	36

Bz

Comments

Type of Materials

<u>Product</u>	<u>Quantity</u>	<u>Area</u>	<u>Description</u>
Completion Fluids (NON-INJ)	100.00 bbl	50	mud
Jet Wash (Recycled Water)	1.00 hour		

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

Tank Bottoms

	Feet	Inches	BS &W/BBLs Received	BS & W
1st Guage				
2nd Guage			Free Water	
Received			Total Received	

Halfway Facility
 4507 W. Carlsbad Hwy
 Hobbs, New Mexico 88240



Phone: (575) 393-1079
 Fax: (575) 393-3615
 WWW.R360ES.COM

PERMIAN BASIN REGION

TICKET: 492373

Bill To:	DEVON ENERGY PRODUCTION CO. L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO. L.P.	Well:	5H
Company Man:	MIKE BRASSWELL	Rig:	
Trucking:	STEVE KENT TRUCKING	PO:	
Date:	4/8/2013	Driver:	MANUEL
3rd Party Ticket:	71500	Vehicle:	11

Comments

Type of Materials

Product	Quantity	Area	Description
Water-Based Mud <i>Complexes, Fluids</i>	130.00 bbl	50	mud
Jet Wash (Recycled Water)	1.00 hour		

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

Manuel Kent

AM

Tank Bottoms

	Feet	Inches	BS & W/BBLs Received	BS & W
1st Guage				
2nd Guage			Free Water	
Received			Total Received	

Halfway Facility
 4507 W. Carlsbad Hwy
 Hobbs, New Mexico 88240



Phone: (575) 393-1079
 Fax: (575) 393-3615
 WWW.R360ES.COM

PERMIAN BASIN REGION

TICKET: 492856

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	STEVE KENT TRUCKING	PO:	
Date:	4/9/2013	Driver:	ERNESTO
3rd Party Ticket:	72230	Vehicle:	7

Comments

Type of Materials

Product	Quantity	Area	Description
Completion Fluids (NON-INJ)	80.00 bbl	50	frac fluids
Jet Wash (Recycled Water)	1.00 hour		

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 241214

LEASE OPERATOR/SHIPPER/COMPANY: <u>Devon</u>	
LEASE NAME: <u>Turquoise 27 # 5H</u>	<u>575-513-1032</u>
TRANSPORTER COMPANY: <u>Stone Oilfield Ser.</u>	TIME <u>6:13</u> AM/PM <u>(M)</u>
DATE: <u>3-31-13</u> VEHICLE NO: <u>V-13</u>	GENERATOR COMPANY MAN'S NAME: <u>Mitte Braswell</u>
CHARGE TO: <u>Devon</u>	RIG NAME AND NUMBER

TYPE OF MATERIAL

- | | | |
|--|--|---|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rinsate |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input checked="" type="checkbox"/> Jet Out |
| <input checked="" type="checkbox"/> Solids | <input type="checkbox"/> BS&W Content: | <input type="checkbox"/> Call Out |

Description: Solids

RRC or API #	C-133#
VOLUME OF MATERIAL	<u>50</u> : [] YARD : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Alex Gutierrez
(SIGNATURE)

FACILITY REPRESENTATIVE: Sandra Monico
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-566-5401 • www.PromoSupermarket.com

**SUNDANCE SERVICES, Inc.**P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 241328

LEASE OPERATOR/SHIPPER/COMPANY: <u>Devon</u>	
LEASE NAME: <u>Turquoise PWD 275H</u>	
TRANSPORTER COMPANY: <u>Steve Kent</u>	TIME: <u>6:56 AM</u> (PM)
DATE: <u>4-1-13</u>	VEHICLE NO: <u>3</u>
GENERATOR COMPANY MAN'S NAME: <u>Mike Bresswell</u>	
CHARGE TO: <u>Devon</u>	RIG NAME AND NUMBER

TYPE OF MATERIAL

- | | | |
|--|--|---|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rinsate |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input checked="" type="checkbox"/> Jet Out |
| <input checked="" type="checkbox"/> Solids | <input type="checkbox"/> BS&W Content: | <input type="checkbox"/> Call Out |

Description: solids

RRC or API #	C-133#
VOLUME OF MATERIAL	<input checked="" type="checkbox"/> BBLs. <u>70</u> : <input type="checkbox"/> YARD : <input type="checkbox"/>

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING - 432-586-5401 - www.PromoSupermarket.com

**SUNDANCE SERVICES; Inc.**P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 241433

LEASE OPERATOR/SHIPPER/COMPANY: <u>Devon</u>	
LEASE NAME: <u>Turquoise 27-#5</u>	
TRANSPORTER COMPANY: <u>Steve Kent</u>	TIME: <u>4:28 AM (PM)</u>
DATE: <u>4-2-13</u> VEHICLE NO: <u>7</u>	GENERATOR COMPANY MAN'S NAME: <u>Mike Brasswell</u>
CHARGE TO: <u>Devon</u>	RIG NAME AND NUMBER

TYPE OF MATERIAL

- | | | |
|--|--|---|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rinsate |
| <input checked="" type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input checked="" type="checkbox"/> Jet Out |
| <input type="checkbox"/> Solids | <input type="checkbox"/> BS&W Content: | <input type="checkbox"/> Call Out |

Description: T/B

RRC or API # _____ C-133#

VOLUME OF MATERIAL BBLs. 130 : [] YARD _____ : [] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was loaded by the above described shipper. This will certify that no additional materials were added to this load and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com