

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 32218

Name: TDR Construction, Inc.

Address 1: PO Box 339

Address 2:

City: Louisburg State: KS Zip: 66053

Contact Person: Lori Driskell

Phone: ( 913 ) 837-8400

CONTRACTOR: License # 33715

Name: Town Oilfield Service, Inc.

Wellsite Geologist:

Purchaser: Pacer Energy Marketing

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☒ Oil ☐ WSW ☐ SWD ☐ SIOW
- ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
- ☐ OG ☐ GSW ☐ Temp. Abd.
- ☐ CM (Coal Bed Methane)
- ☐ Cathodic ☐ Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
- ☐ Conv. to GSW
- ☐ Plug Back: Plug Back Total Depth
- ☐ Commingled Permit #:
- ☐ Dual Completion Permit #:
- ☐ SWD Permit #:
- ☐ ENHR Permit #:
- ☐ GSW Permit #:

12/15/2010 12/17/2010 1/4/2011

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 059-25525-00-00

Spot Description:

SW NW SE SW Sec. 32 Twp. 15 S. R. 21 ☒ East ☐ West

815 Feet from ☐ North / ☒ South Line of Section

3,795 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☒ SW

County: Franklin

Lease Name: Duffy Well #: 31

Field Name: Paola-Rantoul

Producing Formation: Squirrel

Elevation: Ground: 1032 Kelly Bushing: NA

Total Depth: 798' Plug Back Total Depth: 22

Amount of Surface Pipe Set and Cemented at: 20' Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from: 20'

feet depth to: surface w/ 4 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 1500-3000 ppm Fluid volume: 80 bbls

Dewatering method used: on lease

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. ☐ East ☐ West

County: Permit #:

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Lori Driskell

Title: Agent Date: 1/7/2011

**KCC Office Use ONLY**

- ☐ Letter of Confidentiality Received
- Date: \_\_\_\_\_
- ☐ Confidential Release Date: \_\_\_\_\_
- ☒ Wireline Log Received
- ☐ Geologist Report Received
- ☐ UIC Distribution
- ALT ☐ I ☒ II ☐ III Approved by: DG Date: 1/18/11

Operator Name: TDR Construction, Inc. Lease Name: Duffy Well #: 31  
 Sec. 32 Twp. 15 S. R. 21 ☒ East ☐ West County: Franklin

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☒ No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☒ No  
 (If no, Submit Copy)

List All E. Logs Run:

**Gamma Ray/Neutron/CCL**

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12"	8"		20'	Portland	4	
Completion	6 3/4"	4 1/2"		776	Portland	101	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	730.0-748.0 56 Perfs	RECEIVED	
		JAN 10 2011	
		KCC WICHITA	

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:
					<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method:			
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	_____ _____



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE

Invoice # 238780

Invoice Date: 12/20/2010 Terms: 0/0/30,n/30

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TDR CONSTRUCTION  
1207 N. FIRST STREET  
P.O. BOX 339  
LOUISBURG KS 66053  
( ) -

DUFFY 31  
27270  
SW 32-15-21 FR  
12/17/2010

Part Number	Description	Qty	Unit	Price	Total
1110A	KOL SEAL (50# BAG)	565.00		.4200	237.30
1111	GRANULATED SALT (50 #)	218.00		.3300	71.94
1118B	PREMIUM GEL / BENTONITE	190.00		.2000	38.00
1124	50/50 POZ CEMENT MIX	101.00		9.8400	993.84
1143	SILT SUSPENDER SS-630,ES	.50		38.5000	19.25
1401	HE 100 POLYMER	.50		47.2500	23.63
4404	4 1/2" RUBBER PLUG	1.00		45.0000	45.00

	Description	Hours	Unit	Price	Total
368	CEMENT PUMP	1.00		925.00	925.00
368	EQUIPMENT MILEAGE (ONE WAY)	15.00		3.65	54.75
368	CASING FOOTAGE	776.00		.00	.00
548	MIN. BULK DELIVERY	1.00		315.00	315.00

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Parts: 1428.96 Freight: .00 Tax: 111.45 AR 2835.16  
Labor: .00 Misc: .00 Total: 2835.16  
Sublt: .00 Supplies: .00 Change: .00

Signed

Date



## FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 27270  
LOCATION Ottawa  
FOREMAN Alan Mader

DATE		CUSTOMER #		WELL NAME & NUMBER		SECTION		TOWNSHIP		RANGE		COUNTY			
12-17-10		78411		Duffy 31		SW 32		15		21		Fr			
CUSTOMER TDR Construction															
MAILING ADDRESS 1207 N 1st															
CITY Louisburg				STATE KS		ZIP CODE 66053		TRUCK # 516		DRIVER Alan M		TRUCK # Safety		DRIVER Meep	
						368		Ken H		K H					
						348		Derek M		D M					

JOB TYPE <u>long string</u>	HOLE SIZE <u>6 3/4</u>	HOLE DEPTH <u>798</u>	CASING SIZE & WEIGHT <u>4 1/2</u>
CASING DEPTH <u>776</u>	DRILL PIPE	TUBING	OTHER <u>pin @ 774</u>
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT In CASING <u>yes</u>
DISPLACEMENT <u>12 1/8</u>	DISPLACEMENT PSI <u>800</u>	MIX PSI <u>200</u>	RATE <u>5 bpm</u>

REMARKS: Held crew meeting. Established rate. Mixed & pumped 1/2 gal ESAM + 1/2 gal polymer. Circulated into clean pit. For 1 hr. Mixed & pumped 6 bbl dye marker followed by 113 SK 50150 P03, 5# Kol segl, 5% salt, 2% gel. Circulated dye. Flushed pump. Pumped plug to pin at 774'. Circulated 6 bbl return. Closed valves on PC due to not having float shoe.

## TOS Drilling of water

Alan Made

[illegible]

Baydn 3737

SALES TAX	111.45
ESTIMATED TOTAL	2835.16

## AUTHORIZTION

**TITLE**

DATE \_\_\_\_\_

**I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.**

Franklin County, KS  
Well: Duffy # 31  
Lease Owner: TDR

Town Oilfield Service, Inc.  
(913) 837-8400

Commenced Spudding:  
12/15/2010

WELL LOG

Thickness of Strata	Formation	Total Depth
20	Soil/Clay	20
38	Shale	58
26	Lime	84
11	Shale	95
30	Lime	125
41	Shale	166
21	Lime	187
76	Shale/Shells	263
22	Lime	285
26	Shale	311
3	Lime	314
25	Shale	339
2	Lime	341
17	Shale	358
26	Lime	384-Winterset
3	Shale	387-Winterset
13	Lime	400-Winterset
11	Shale/Shells	411
20	Lime	431-Bethany Falls
4	Shale	435
5	Lime	440-KC
3	Shale	443
5	Hertha	448
5	Shale/Shells	453
20	Sandy Shale	473
95	Shale	568
3	Sand	571-No Oil
3	Sand	574-Oil, Odor, Little Bleed
6	Sand	580-Little Oil, 5% Tops
43	Shale	623
7	Lime	630
94	Shale/Shells	724
6	Sand	730-Oil, Odor, Gas Cap
17	Sand	747-Oil, 50%+
3	Sandy Shale	750-No Oil
6	Shale	756-No Oil
4	Sandy Shale	760-No Oil
38	Shale	798-TD

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