



KANSAS CORPORATION COMMISSION 1060214
OIL & GAS CONSERVATION DIVISION

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 + 0339
Contact Person: Lori Driskell
Phone: (913) 837-8400
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NA
Purchaser: _____

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 #: _____

<u>7/13/2011</u>	<u>7/14/2011</u>	<u>7/22/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-25526-00-00

Spot Description: _____
NW SW SE SW Sec. 32 Twp. 15 S. R. 21 East West
485 Feet from North / South Line of Section
3795 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Franklin

Lease Name: Duffy Well #: 32

Field Name: Paola-Rantoul

Producing Formation: Squirrel

Elevation: Ground: 1033 Kelly Bushing: 0

Total Depth: 838 Plug Back Total Depth: 784

Amount of Surface Pipe Set and Cemented at: 23 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 0

feet depth to: 23 w/ 5 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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.

Submitted Electronically

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: Deanna Garrison Date: 07/27/2011



1060214

Operator Name: TDR Construction, Inc. Lease Name: Duffy Well #: 32
 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Open Hole
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CASING RECORD <input checked="" 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	9	6.2500	10	23	Portland	5	50/50 POZ
Completion	5.6250	2.8750	8	784	Portland	102	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 <i>(Amount and Kind of Material Used)</i>	Depth
0	Open Hole		

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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TICKET NUMBER 32672
 LOCATION Ottawa KS
 FOREMAN Fred Mader

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/14/11	7840	Duffy # 32	Sw 32	15	21	FR
CUSTOMER TDR Construction			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 339			506	Fred	Safety	Made
CITY Louisburg			368	Ron	TR	
STATE KS			503	Cecil	CH	
ZIP CODE 66053						

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 838 CASING SIZE & WEIGHT 4 1/2
 CASING DEPTH 816 DRILL PIPE Baffle @ 785' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 4 1/2" Plug
 DISPLACEMENT 12.46 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Establish circulation. Mix Pump 100# Premium Gel Flush.
 Mix + Pump 7 1/2 BBL Teal dye. Follow w/ 102 SKS
 50/50 Poz Mix Cement 2 1/2 Gel 5% Salt 5# Kol Seal/sk. Flush
 pump + lines clean. Displace 4 1/2" Rubber plug to casing ~~TR~~ Baffle w/
 12.46 BBL Fresh water. Pressure to 700 PSI. Release pressure
 + set float valve. Check plug depth w/ wire line. Shut in casing

Customer Supplied Water.
 T&S Drilling

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		925 ⁰⁰
5406	20 mi	MILEAGE		80 ⁰⁰
5402	816	Casing Footage		N/C
5407	Minimum	Ton Miles		330 ⁰⁰
1124	102 SKS	50/50 Poz Mix Cement		1065 ²⁰
118B	272 #	Premium Gel		54 ⁴⁰
111	197 #	Granulated Salt		68 ⁹⁵
1110A	510 #	Kol Seal		224 ⁴⁰
4404	1	4 1/2" Rubber Plug		42 ⁰⁰
		WD# 272691		
		2.8%	SALES TAX ESTIMATED	113 ⁵⁴
			TOTAL	2954 ¹⁹

Rayin 3737

AUTHORIZATION *Jeff Green* 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 # 32
 Lease Owner: TDR

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

Commenced Spudding:
 7/13/2011

WELL LOG

Thickness of Strata	Formation	Total Depth
0-51	Soil/Clay	51
5	Lime	56
2	Shale	58
16	Lime	74
8	Shale	82-Dark
10	Lime	92
2	Shale	94
1	Lime	95
3	Shale	98
15	Lime	113
52	Shale	165
18	Lime	183
10	Shale	193
4	Lime	197
62	Shale/Lime	259
22	Lime	281
27	Shale	308
5	Lime	313
21	Shale	334
2	Lime	336
18	Shale	354
3	Lime	357
20	Shale	377
17	Lime	394
9	Shale	403
22	Lime	425
6	Shale	431
12	Lime	443
4	Shale	447
3	Lime	450
120	Shale	570
2	Sandy Shale	572-Little Bleed
8	Sandy Shale	580-No Oil
41	Shale	621
7	Lime	628
94	Shale/Lime	722
1	Sand	723-Grey
20	Sand	743-Good Oil
2	Sand	745-Black
10	Sandy Shale	755

