



KANSAS CORPORATION COMMISSION 1051312
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 # 5386
Name: Production Drilling, Inc.
Address 1: 1023 RESERVATION RD
Address 2: _____
City: HAYS State: KS Zip: 67601 + 3982
Contact Person: Mary Patterson
Phone: (785) 625-1189
CONTRACTOR: License # 5386
Name: Production Drilling, Inc.
Wellsite Geologist: Cliff Ottaway
Purchaser: Coffieville Resources

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>01/24/2011</u>	<u>01/29/2011</u>	<u>02/16/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26086-00-00

Spot Description: _____

SE NE SW NE Sec. 21 Twp. 13 S. R. 20 East West
1,900 Feet from North / South Line of Section
1,600 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellis

Lease Name: PAT Well #: 1

Field Name: _____

Producing Formation: L-KC

Elevation: Ground: 2193 Kelly Bushing: 2196

Total Depth: 3890 Plug Back Total Depth: 3862

Amount of Surface Pipe Set and Cemented at: 231 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1518 Feet

If Alternate II completion, cement circulated from: 1514

feet depth to: 0 w/ 255 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 16000 ppm Fluid volume: 240 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: 02/25/2011



1051312

Operator Name: Production Drilling, Inc. Lease Name: PAT Well #: 1
 Sec. 21 Twp. 13 S. R. 20 East West County: Ellis

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	3194	-998
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3424	-1228
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3446	-1250
List All E. Logs Run:		Lansing KC	3464	-1521
Compensated Density Neutron Micro Resistivity		Marmaton	3765	-1569
		Arbuckle	3835	-1640

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	12.25	8.625	23	200	common	150	1/4 Flowcele
Casing	7.875	5.5	15.5	3887	common	150	10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1514	QMD	255	

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
4	3692-3698	250GAL ACID	3692-98

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. 02/17/2011		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls. 30	Gas Mcf 0	Water Bbls. 10
		Gas-Oil Ratio	Gravity 34

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. **4806**

Date	Sec. <u>21</u>	Twp. <u>13</u>	Range <u>20</u>	County <u>Ellis</u>	State <u>KS</u>	On Location	Finish <u>1:30 p.m.</u>
Lease <u>Pat</u>	Well No. /		Location <u>Ellis 151E 1/2 Sec 20</u>				
Contractor <u>D. Swain #1 TOP STAGE</u>				Owner			
Type Job <u>DW 206</u>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <u>7 7/8</u>		T.D. <u>3890</u>		Charge To <u>Production Drilling</u>			
Csg. <u>5 1/2 1500</u>		Depth <u>3892</u>		Street			
Tbg. Size		Depth		City			
Tool <u>DW Tool # 58</u>		Depth <u>1520</u>		State			
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <u>36 1/4 BBL</u>		Cement Amount Ordered <u>300 (QMC) 14# FLO</u>			

EQUIPMENT

Pumptrk <u>1</u>	No.	Cementer <u>SAIS</u>	Common
Bulktrk	No.	Driver <u>UFAIC</u>	Poz. Mix
Bulktrk <u>13</u>	No.	Driver <u>Arion</u>	Gel.

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole <u>30 SK</u>	Hulls
Mouse Hole <u>10 SK</u>	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
<u>DW Tool # 58 1520</u>	CFL-117 or CD110 CAF 38
<u>Mix 255 SK Cement (Circulate)</u>	Sand
<u>Also 1000 P 1500 PS - please</u>	Handling
<u>Produce 1000</u>	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

	Tax
	Discount
X Signature <u>P. M. [unclear]</u>	Total Charge

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67069

No. 6809

Date	1-30-11	Sec.	21	Twp.	13	Range	20	County	Ellis	State	KS	On Location		Finish	11:30 a.m.
Lease	Pat		Well No. 1			Location Ellis & Fair Ground Rd 1/2 W of Winton									
Contractor	Discover #1 Bottom Stage					Owner									
Type Job	DV Job					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Hole Size	7 7/8		T.D. 3890												
Csg.	5 1/2 15.50"		Depth 3892												
Tbg. Size	Depth														
Tool	DV Tool # 58		Depth 1520												
Cement Left in Csg.	21.42		Shoe Joint 21.42												
Meas Line	Displace 92 1/4 RL														
										Cement Amount Ordered 150 lbm 10% base + 2% gel					

EQUIPMENT

Pumptrk	1	No.	Cement Helper Craig	Common
Bulktrk	8	No.	Driver Jason	Poz. Mix
Bulktrk	13	No.	Driver Brian	Gel.

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
DV or Port Collar	Mud CLR 48
5 1/2 SAH @ 3892	CFL-117 or CD110 CAF 38
10 RL KCL	Sand
KCL Pump	Handling
2 BL water to joint plug	Mileage

FLOAT EQUIPMENT

Guide Shoe	5/2
Centralizer	AFU Floor Shoe
Baskets	DV Tool
AFU Inserts	4 Baskets
Float Shoe	8 Tools
Latch Down	1 Cementer
	100' Rotating Slabbers
Pumptrk Charge	
Mileage	

X Signature *[Signature]*

Tax	
Discount	
Total Charge	