



KANSAS CORPORATION COMMISSION 1095707
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 # 31160
Name: Phillips Exploration Company L.C.
Address 1: 1601 Sagebrush
Address 2: _____
City: WICHITA State: KS Zip: 67230 + 7010
Contact Person: James B. Phillips
Phone: (316) 636-2256
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: James B. Phillips
Purchaser: MV Purchasing

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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>04/21/2012</u>	<u>04/28/2012</u>	<u>05/21/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22770-00-00
Spot Description: _____
W2 W2 W2 Sec. 6 Twp. 11 S. R. 23 East West
2640 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Herman/Ruder Well #: 1-6
Field Name: _____
Producing Formation: Lansing
Elevation: Ground: 2303 Kelly Bushing: 2308
Total Depth: 4000 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 218 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 500 ppm Fluid volume: 400 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: NAOMI JAMES Date: 10/04/2012



1095707

Operator Name: Phillips Exploration Company L.C. Lease Name: Herman/Ruder Well #: 1-6

Sec. 6 Twp. 11 S. R. 23 East West County: Trego

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <small>Dual Induction Compensated Density Micro</small>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Ahny</td> <td>1892</td> <td>+416</td> </tr> <tr> <td>B/Ahny</td> <td>1935</td> <td>+373</td> </tr> <tr> <td>Heebner</td> <td>3624</td> <td>-1316</td> </tr> <tr> <td>Lansing</td> <td>3660</td> <td>-1352</td> </tr> <tr> <td>B/kc</td> <td>3894</td> <td>-1586</td> </tr> <tr> <td>RTD</td> <td>4000</td> <td>-1692</td> </tr> </table>	Name	Top	Datum	Ahny	1892	+416	B/Ahny	1935	+373	Heebner	3624	-1316	Lansing	3660	-1352	B/kc	3894	-1586	RTD	4000	-1692
Name	Top	Datum																				
Ahny	1892	+416																				
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RTD	4000	-1692																				

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	218	common	150	60/40
long string	7.875	5.5	14	3982	common	165	60/40
DV	7.875	5.5	14	1910	common	355	60/40

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
4	3821-3825	acid 1000 gals 15%hcl	3825

TUBING RECORD:		Size: <u>2.375</u>	Set At: <u>3900</u>	Packer At: <u>na</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>06/03/2012</u>			Producing Method: <input type="checkbox"/> Flowing <input checked="" 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
	33		0		35

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3821-3825</u>
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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. 333

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-21-12	6	11	23	Tracy	KS		8:30 p.m.
Lease		Well No.		Location			
Herman Ruder		1-6		Wellhead 12 Bld 3rd 12/12/12			
Contractor				Owner			
Murchin #16				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Surface							
Hole Size		T.D.		Charge To			
12 1/4		218		Phillips Exploration			
Csg.		Depth		Street			
8 5/8		218					
Tbg. Size		Depth		City			
				State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered			
15'				150 lbm 30/100 2 1/2 lb/ft			
Meas Line		Displace					
		1324					

EQUIPMENT

Pumptrk	No.	Cement Helper		Common	
		5	150		
Bulktrk	No.	Driver		Poz. Mix	
		8	3	Gel.	5
Bulktrk	No.	Driver		Calcium	
		8	5	Hulls	

JOB SERVICES & REMARKS

Remarks: Herman Ruder	
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
8 5/8 on bottom for circulation	Sand
Mix 150 SIC & Displace	Handling 158
Cement Circulation	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	Surge #5
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	49
	Tax
	Discount
	Total Charge

X Signature Ag SDC

QUALITY OILWELL CEMENTING, INC.

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

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

No. 341

Date 4-27-12	Sec. 6	Twp. 11	Range 23	County Trego	State KS	On Location	Finish 4:00 p.m.
Lease Herman Ruder		Well No. 1-6		Location Warkent 1 BRD 3W Unto			
Contractor Martin #16				Owner			
Type Job DU Job		Bottom Stage		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 778		T.D. 4000		Charge To Philips Exploration			
Csg. 5 1/2 14#		Depth 3982.95		Street			
Tbg. Size		Depth		City State			
Tool DU Tool #51		Depth 1910		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 42.45		Shoe Joint 42.45		Cement Amount Ordered 11.5 @ pro-C 10% Salt			
Meas Line		Displace		EQUIPMENT Pumptrk 5 No. Cementer Craig Bulktrk No. Driver Brett Bulktrk 14 No. Driver Levy			
Remarks:		Hulls					
Rat Hole		Salt 14					
Mouse Hole		Flowseal		JOB SERVICES & REMARKS 500 gal mud clear - 4 Bx 10BL KCL Common 16.5 @ pro-C Poz. Mix Gel. Calcium RCL 5.6 gal Sand Handling 179 Mileage			
Centralizers		Kol-Seal					
Baskets		Mud CLR 48 500 gal 1000 Gal					
D/V or Port Collar		CFL-117 or CD110 CAF 38					
5 1/2 set @ 3982. Tused @ 3940.50		Est. Circulation Pump 500 gal mud clear		FLOAT EQUIPMENT Guide Shoe 5 1/2 Centralizer 8 Turboizers Baskets 2 weathered AFU Inserts DU Tool. Float Shoe 1 Latch Down 1			
10BL KCL Spacer Cement 5 1/2 L with		16.5 SK. Open line - Pump 45 BL water		Bottom Stage			
4.5 BL mud & 6 BL water top land		Purg. Plug 1500 ft. Release					
Krossline Dry.		1 Drop bomb & open Tool & Circulate		Tax Discount Total Charge			
2 HRS.		Pumptrk Charge pro-C long string					
Signature David Bell		Mileage 49					

QUALITY OILWELL CEMENTING, INC.

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

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

No. 342

Date <i>4-27-12</i>	Sec. <i>6</i>	Twp. <i>11</i>	Range <i>23</i>	County <i>Trego</i>	State <i>KS</i>	On Location	Finish <i>7:00 pm.</i>
Lease <i>Norman Rieder</i>		Well No. <i>1-6</i>		Location <i>WEEKEND 122 B 3rd UNIT</i>			
Contractor <i>M. Fin #16</i>				Owner			
Type Job <i>N Job</i>		<i>Top Stage</i>		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 <i>7 7/8</i>		T.D. <i>4000</i>		Charge To <i>Phillips Exploration</i>			
Csg. <i>5 1/2 14#</i>		Depth <i>3982.95</i>		Street			
Tbg. Size		Depth		City			
Tool <i>AV Tool #51</i>		Depth <i>1910</i>		State			
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <i>4642 B L</i>		Cement Amount Ordered <i>400 @ 100 MDC 14# Flt</i>			

EQUIPMENT

Pumptrk	No. <i>5</i>	Cementer <i>Craig</i>	Helper	Common <i>4000</i>
Bulktrk	No. <i>13</i>	Driver <i>Brett</i>	Driver	Poz. Mix
Bulktrk	No. <i>13</i>	Driver <i>Dave</i>	Driver	Gel.

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole <i>3051K</i>	Hulls
Mouse Hole <i>1551K</i>	Salt
Centralizers	Flowseal <i>1000#</i>
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
<i>Pump 500 gal mod clear. Plug Rathole & Mousehole - Cement 5 1/2 with 355 SIC.</i>	CFL-117 or CD110 CAF 38
<i>Plug Pump 500 gal mod clear & JOB KGL SPILL Cement Top Stage. Cement Circulated.</i>	Sand
<i>Plug land @ 1500 ft. Release Pressure D/V.</i>	Handling <i>400</i>
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

	Pumptrk Charge <i>Prod Long string</i>	<i>Top Stage</i>
	Mileage <i>49</i>	
	Tax	
	Discount	
	Total Charge	

X Signature *[Handwritten Signature]*