



KANSAS CORPORATION COMMISSION 1095732
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: _____

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>05/24/2012</u>	<u>05/30/2012</u>	<u>05/30/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22784-00-00
Spot Description: _____
SW NW SW SE Sec. 18 Twp. 11 S. R. 23 East West
833 Feet from North / South Line of Section
2341 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Moden Well #: 2-18
Field Name: _____
Producing Formation: plug
Elevation: Ground: 2391 Kelly Bushing: 2396
Total Depth: 4050 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 208 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: Deanna Gertner Date: 10/09/2012



1095732

Operator Name: Phillips Exploration Company L.C. Lease Name: Moden Well #: 2-18
 Sec. 18 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 Neutron Micro</small>	<input checked="" 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>Anhy</td> <td>1970</td> <td>+426</td> </tr> <tr> <td>B/Anhy</td> <td>2013</td> <td>+383</td> </tr> <tr> <td>Heebner</td> <td>3715</td> <td>-1319</td> </tr> <tr> <td>Lansing</td> <td>3750</td> <td>-1354</td> </tr> <tr> <td>B/kc</td> <td>3986</td> <td>-1590</td> </tr> <tr> <td>TD</td> <td>4050</td> <td></td> </tr> </table>	Name	Top	Datum	Anhy	1970	+426	B/Anhy	2013	+383	Heebner	3715	-1319	Lansing	3750	-1354	B/kc	3986	-1590	TD	4050	
Name	Top	Datum																				
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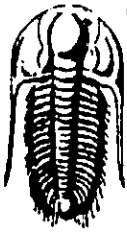
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12.25	8.625	23	208	common	150	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

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: <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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Phillips Exploration Company

18-11s-23w-Trego

1601 Sagebrush
Wichita, KS. 67230

Moden #2-18

Job Ticket:

DST#: 3

ATTN: Jim Phillips

Test Start: 2012.05.29 @ 15:29:51

GENERAL INFORMATION:

Formation: **J-K**

Deviated: **No** Whipstock: **0.00 ft (KB)**

Time Tool Opened: **17:50:36**

Time Test Ended: **22:36:06**

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Jason McLemore**

Unit No: **54**

Interval: **3926.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Total Depth: **3970.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2396.00 ft (KB)**

2391.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8366

Inside

Press@RunDepth: **20.75 psig @ 3963.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.05.29**

End Date:

2012.05.29

Last Calib.: **2012.05.29**

Start Time: **15:29:53**

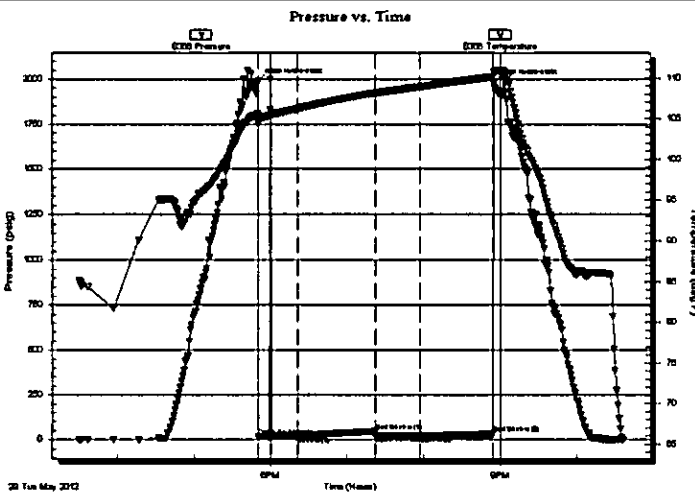
End Time:

22:36:06

Time On Btm: **2012.05.29 @ 17:50:21**

Time Off Btm: **2012.05.29 @ 20:55:06**

TEST COMMENT: IFP-Surge Surge When Open, Dead in 5 Mn. Flush Tool, Blow for 3 Mn., Dead
ISI-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.47	105.58	Initial Hydro-static
1	14.68	104.38	Open To Flow (1)
31	19.52	106.20	Shut-In(1)
92	45.60	108.11	End Shut-In(1)
92	19.84	108.10	Open To Flow (2)
127	20.75	108.91	Shut-In(2)
184	30.55	110.12	End Shut-In(2)
185	1977.03	110.72	Final Hydro-static

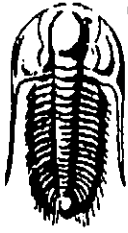
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Phillips Exploration Company

18-11s-23w-Trego

1601 Sagebrush
Wichita, KS. 67230

Moden #2-18

Job Ticket:

DST#: 3

ATTN: Jim Phillips

Test Start: 2012.05.29 @ 15:29:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

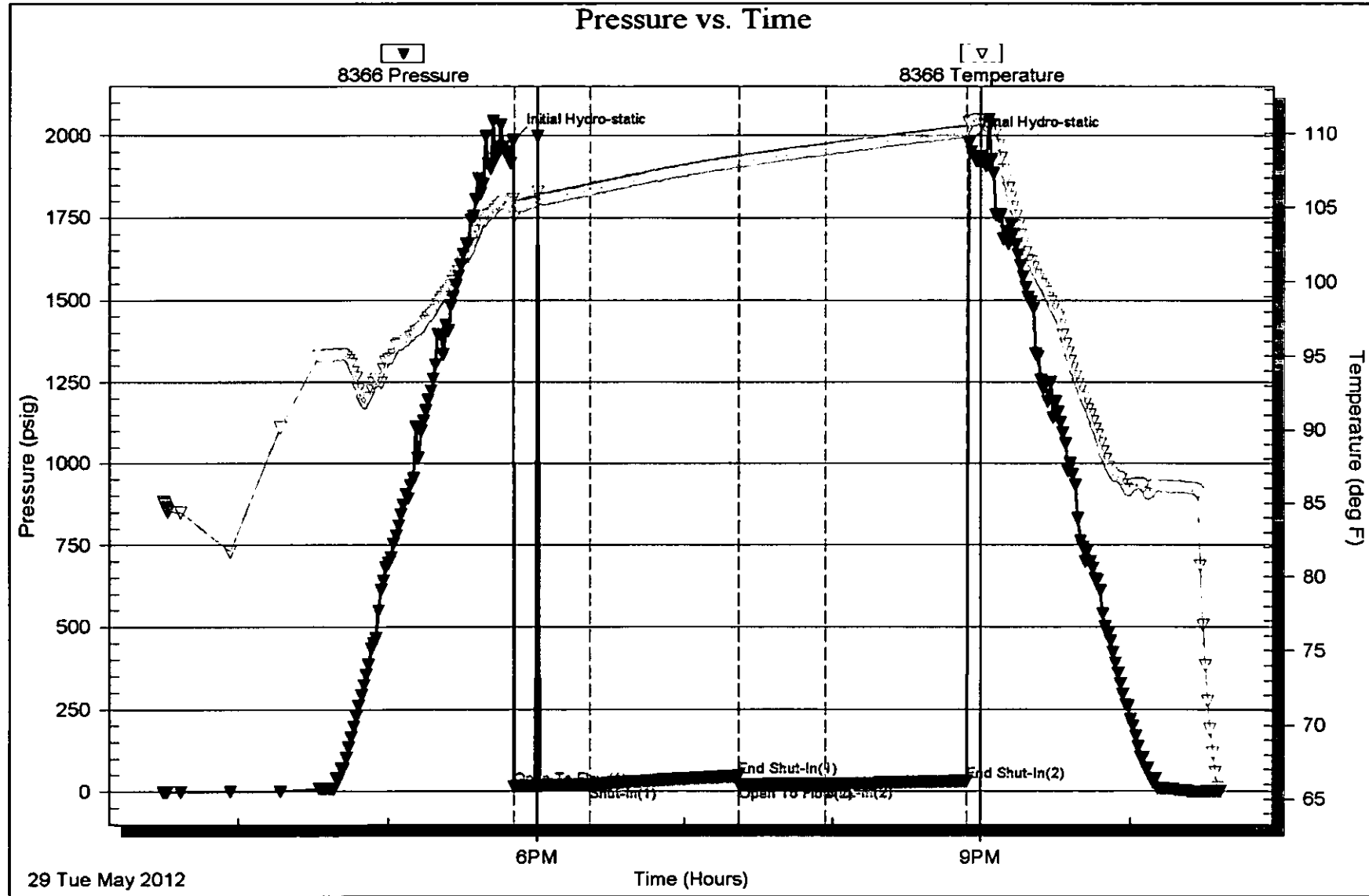
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



QUALITY OILWELL CEMENTING, INC.

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

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

No. 399

Date	5-24-12	Sec.	18	Twp.	11	Range	23	County	TREGO	State	KANSAS	On Location		Finish	9:15 PM
Lease	Morden		Well No.	2-18		Location WAKARUSA DISTRICT - 2W-1N-W12E									
Contractor	MURFIN #116					Owner PHILLIPS EXPLORATION									
Type Job	SURFACE					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	12 1/4"		T.D.	209'		Charge To PHILLIPS EXPLORATION									
Csg.	8 7/8"		Depth			Street 11601 SAGE BRUSH									
Tbg. Size			Depth			City WICHITA State KANSAS, 67230									
Tool			Depth	15'		The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint			Cement Amount Ordered 150 com - 3cc - 2cc									
Meas Line			Displace	12 1/2 gals											

EQUIPMENT

Pumptrk #15	No.	Cementor	BOB	Common	150
Bulktrk #12	No.	Driver	NECK	Poz. Mix	
Bulktrk #14	No.	Driver	STEVE	Gel.	3

JOB SERVICES & REMARKS

Remarks:	Calcium 5
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling 158
	Mileage

CEMENT CIRCULATE ↓

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

THANK YOU ↓

Pumptrk Charge SURFACE
Mileage 99

X Signature Ag Oilwell

Tax _____
Discount _____
Total Charge _____

of the

QUALITY OILWELL CEMENTING, INC.

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

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

No. 853

Date	5-30-12	Sec.	18	Twp.	11	Range	23	County	TREGO	State	KANSAS	On Location		Finish	4:30pm	
Lease	MODEN		Well No.	#2-18		Location WAKEENEY NTOERN - 2W - 1N - W INTO										
Contractor	MURFIN RIG #16					Owner PHILLIPS EXPLORATION										
Type Job	Rotary Plug					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	8 5/8"					T.D.										
Csg.	5 1/2"					Depth	Charge To PHILLIPS EXPLORATION									
Tbg. Size						Depth	Street 1601 SAGEBRUSH									
Tool						Depth	City WICHITA State KANSAS									
Cement Left in Csg.						Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line						Displace	Cement Amount Ordered 220 @ 40 - 4% GEL									
EQUIPMENT																
Pumptrk #5	No.	Cementer	BEETT		Common	132										
Bulktrk #8	No.	Driver	LEVY		Poz. Mix	88										
Bulktrk P/U	No.	Driver	CISCO		Gel.	8										
JOB SERVICES & REMARKS																
Remarks:											Calcium					
Rat Hole	30 SKS										Hulls					
Mouse Hole	15 SKS										Salt					
Centralizers											Flowseal	SOP				
Baskets											Kol-Seal					
DN or Port Collar											Mud CLR 48					
											CFL-117 or CD110 CAF 38					
											Sand					
1st @ 1990'	25 SKS										Handling	228				
2nd @ 1,040'	100 SKS										Mileage					
3rd @ 2100'	40 SKS										FLOAT EQUIPMENT					
4th @ 40'	10 SKS										Guide Shoe					
RAT HOLE	30 SKS										Centralizer					
MOUSE HOLE	15 SKS										Baskets					
											AFU Inserts					
											Float Shoe					
											Latch Down					
											1-8 5/8" Dry Hole Plug					
											Pumptrk Charge	plug				
											Mileage	49				
											Tax					
											Discount					
											Total Charge					
X Signature	[Signature]															