

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

3-7-09
Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33168
Name: WOOLSEY OPERATING COMPANY, LLC
Address: 125 N. Market, Suite 1000
City/State/Zip: Wichita, Kansas 67202
Purchaser: Bluestem Gas Marketing / Plains Marketing
Operator Contact Person: Dean Pattison, Operations Manager
Phone: (316) 267-4379 ext 107
Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Bill Klaver

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
_____ Plug Back _____ Plug Back Total Depth
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Enhr.?) _____ Docket No. _____

<u>11/07/2006</u>	<u>11/20/2006</u>	<u>01/24/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-23080 0000

County: Barber

150 S of N2 - NE - SE Sec. 13 Twp. 34 S. R. 12 East West

2160' FSL _____ feet from (S) N (circle one) Line of Section

660' FEL _____ feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: HARBAUGH Well #: 1

Field Name: Rhodes South

Producing Formation: Mississippian

Elevation: Ground: 1439 Kelly Bushing: 1450

Total Depth: 5240 Plug Back Total Depth: 4968

Amount of Surface Pipe Set and Cemented at 253 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from n/a

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ATTN NH 10-8-08
(Data must be collected from the Reserve Pit)

Chloride content 24,000 ppm Fluid volume 1000 bbls

Dewatering method used Haul off free fluids and allow to dehydrate

Location of fluid disposal if hauled offsite:

Operator Name: n/a

Lease Name: _____ License No.: _____

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

County: _____ Docket No.: D-

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.

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: _____

Title: Dean Pattison, Operations Manager Date: 03/07/2007

Subscribed and sworn to before me this 7th day of March

20 07

Notary Public: Debra K. Clingan

Date Commission Expires: March 27, 2010

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____

Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 07 2007
CONSERVATION DIVISION
WICHITA, KS



ORIGINAL

Operator Name: WOOLSEY OPERATING COMPANY, LLC Lease Name: HARBAUGH Well #: 1
Sec. 13 Twp. 34 S. R. 12 East West County: Barber

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<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	Chase	1884	-434
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Elgin	3563	-2113
List All E. Logs Run:		Douglas	3786	-2336
		Lansing	4003	-2553
		Base Kansas City	4499	-3006
		Mississippian	4660	-3210
Neutron Density PE		Viola	5028	-3578
Dual Induction		Simpson	5129	-3679
Sonic	Cement Bond			

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	14 3/4"	10 3/4"	32.75# / ft	253'	Class A	200	2%gel, 3% cc
Production	7 7/8"	4 1/2"	10.5# / ft	5115'	Class H	205	10% salt, 10% Gypseal, 6% Kolseal, 1/4# Celloflake, .8% fluid loss

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	4626'-4627'	Class H	25 / 100	3% FL-160 / 2% cc

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
4	4652'-56'	Acid: 4200 gal 10% MIRA	
2	4659'-70', 4686'-4706', 4726'-58', 4800'-12'	Frac: 371,448 gal treated wtr, 135,100# 30/70 Brady sd, 24,000# 20/40 Brady sd & 11,500# 16/30 Resin coated sd	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4862	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
02/16/2007 (testing)	<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

Disposition of Gas: Vented Sold Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: _____



ALLIED CEMENTING CO., INC. 24050

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
med. lodge, ks

DATE <u>11-7-06</u>	SEC. <u>13</u>	TWP. <u>34s</u>	RANGE <u>12w</u>	CALLED OUT <u>4:00 P.M.</u>	ON LOCATION <u>5:30 P.M.</u>	JOB START <u>8:00 P.M.</u>	JOB FINISH <u>8:45 P.M.</u>
LEASE <u>Harbaugh</u>		WELL # <u>1</u>	LOCATION <u>281 + mm #10 - 1/4w -</u>		COUNTY <u>Barber</u>	STATE <u>KS.</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>0/Into</u>				

CONTRACTOR Duke #1
 TYPE OF JOB Surface Csg.
 HOLE SIZE 14 3/4 T.D. 254'
 CASING SIZE 10 3/4 DEPTH 253'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 200 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15' By Request
 PERFS. _____
 DISPLACEMENT 2 3/2 Bbls Freshwater

OWNER Woolsey Petroleum

CEMENT
 AMOUNT ORDERED 200sx CLASS A +
3%CC + 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling
 # 372 HELPER Darin Franklin
 BULK TRUCK
 # 363 DRIVER Randy McKinney
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>200 A</u>	@	<u>10.65</u>	<u>2130.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>16.65</u>	<u>66.60</u>
CHLORIDE	<u>7</u>	@	<u>46.60</u>	<u>326.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>211</u>	@	<u>1.90</u>	<u>400.90</u>
MILEAGE	<u>14 X 211 X .09</u>			<u>265.86</u>
TOTAL				<u>3189.56</u>

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REMARKS:

Pipe on Bottom - Break Circ
Pump 200 sx CLASS A + 3%CC
+ 2% Gel Displace Cement
w/ 2 3/2 Bbls. Freshwater.
Shut In Cement Did Circ.

SERVICE

DEPTH OF JOB	<u>253'</u>		
PUMP TRUCK CHARGE	<u>0-300'</u>		<u>815.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>14</u>	@	<u>6.00</u>
MANIFOLD		@	
		@	
		@	

CHARGE TO: Woolsey Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 899.00

WELL FILE

Regulatory Correspondence _____ @ _____
 Drig / Comp Workovers _____ @ _____
 Tests / Meters Operations _____ @ _____

PLUG & FLOAT EQUIPMENT

ANY APPLICABLE TAX
WILL BE CHARGED
UPON INVOICING TOTAL _____

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE x Allen F. Dick

x Allen F. Dick
 PRINTED NAME

ALLIED CEMENTING CO., INC. 23456

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Merl Judge

DATE <u>11-21-06</u>	SEC <u>13</u>	TWP <u>34s</u>	RANGE <u>12w</u>	CALLED OUT <u>9:30pm</u>	ON LOCATION <u>1:00 AM</u>	JOB START <u>9:35am</u>	JOB FINISH <u>10:20am</u>
LEASE <u>Harbaugh</u>		WELL # <u>1</u>	LOCATION <u>281 + MM 10 #</u>		COUNTY <u>Barba</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1/4 W N into</u>				

CONTRACTOR Duke #1

TYPE OF JOB Prod Csg

HOLE SIZE 7 7/8 I.D. 5240

CASING SIZE 4 1/2 DEPTH 5115

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1500 MINIMUM 100

MEAS. LINE _____ SHOE JOINT 45ft

CEMENT LEFT IN CSG. 42A

PERFS. _____

DISPLACEMENT 8 1/2 bbls 2 1/2 Kel

EQUIPMENT

PUMP TRUCK CEMENTER Mar B

372 HELPER Darin

BULK TRUCK _____

389 DRIVER Robert

BULK TRUCK _____

_____ DRIVER _____

OWNER Woalsey

CEMENT

AMOUNT ORDERED 230.21 H 10694 p

10E Duet, 10# Kol Seal, .8E FL-160

1/4" flocon, 50gal ASF, 8gal clapa

COMMON	<u>230 H</u>	@	<u>12.75</u>	<u>2932.50</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
	<u>Salt 25</u>	@	<u>9.60</u>	<u>240.00</u>
	<u>Fl Seal 58 #</u>	@	<u>2.00</u>	<u>116.00</u>
	<u>Kol Seal 1380 #</u>	@	<u>.70</u>	<u>966.00</u>
	<u>Gyp Seal 22</u>	@	<u>23.35</u>	<u>513.70</u>
	<u>FL 160 173 #</u>	@	<u>10.65</u>	<u>1842.45</u>
	<u>Clas Pro 8 #</u>	@	<u>25.00</u>	<u>200.00</u>
	<u>ASF 500 #</u>	@	<u>1.00</u>	<u>500.00</u>
		@		
HANDLING	<u>310</u>	@	<u>1.90</u>	<u>589.00</u>
MILEAGE	<u>14 x 310 x .09</u>			<u>390.60</u>
				TOTAL <u>8290.25</u>

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REMARKS:

Pipe on bottom + Circulate pump fresh
12 bbls ACE, fresh plug, hot + mouse
mix 285A, shut down pump
Wash pump + lines + release plug
Start displacement, left pres line
at 52 bbls, slow rate to 3 bpm
at 70 bbls, pump plug at 81 bbls
+ 600 psi float did not hold

DEC 4 5 2006

SERVICE

DEPTH OF JOB	<u>5115</u>		
PUMP TRUCK CHARGE			<u>1840.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>14</u>	@	<u>6.00</u>
MANIFOLD		@	
<u>Head Rental</u>		@	<u>100.00</u>
		@	
TOTAL <u>2024.00</u>			

CHARGE TO: Woalsey

STREET _____

CITY _____ STATE _____ ZIP _____

WELL FILE

Regulatory Correspondence
Drig / Comp Workovers
Tests / Meters Operations

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u>			
<u>1-AFU/float shoe</u>	@	<u>200.00</u>	<u>200.00</u>
<u>1-Latch down plug</u>	@	<u>325.00</u>	<u>325.00</u>
<u>12-Tubalysers</u>	@	<u>55.00</u>	<u>660.00</u>
<u>28-Scratchers</u>	@	<u>35.00</u>	<u>980.00</u>
	@		

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING TAX _____ TOTAL 2165.00

TOTAL CHARGE 12479.25

DISCOUNT 1247.93 IF PAID IN 30 DAYS

SIGNATURE Allen F. Dick

Allen F. Dick
PRINTED NAME

ALLIED CEMENTING CO., INC.

26198

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
med. lodges, ks.

DATE <u>1-9-07</u>	SEC <u>13</u>	TWP <u>34s</u>	RANGE <u>12w</u>	CALLED OUT <u>10:00am.</u>	ON LOCATION <u>11:30am.</u>	JOB START <u>12:00pm.</u>	JOB FINISH <u>3:30pm.</u>
LEASE <u>Harbaugh</u> WELL # <u>1</u>			LOCATION <u>Barber Co. Landfill on</u>		COUNTY <u>Barber</u>	STATE <u>KS.</u>	
OLD OR <u>NEW</u> (Circle one)			<u>281, 2s - 1/4w - n/s</u>				

CONTRACTOR Prattwell Service
 TYPE OF JOB Perf. Squeeze
 HOLE SIZE _____ T.D. _____
 CASING SIZE 4 1/2 x 10.5 DEPTH _____
 TUBING SIZE 2 3/8 x 4.70 DEPTH 4521'
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1500 MINIMUM 300
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. 4626'
 DISPLACEMENT _____

OWNER Woodsey Petroleum

CEMENT
 AMOUNT ORDERED 25 sx Ht. 3% FL-160
100 sx CLASS H + 2% CC

COMMON 125 H @ 12.75 1593.75
 @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 2 @ 46.60 93.20
 ASC _____ @ _____
FL-160 7" @ 10.65 74.55
 @ _____
 @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling
 # 360-265 HELPER Dwayne West
 BULK TRUCK
 # 421 DRIVER Randy
 BULK TRUCK
 # _____ DRIVER _____

WELL FILE
 Regulatory Correspondence @ _____
 Drg / Comp Workovers @ _____
 Tests / Meters Operations @ _____
 @ _____

HANDLING 127 @ 1.90 241.30
 MILEAGE 14 x 127 x .09 240.00
 min chg
 TOTAL 2242.80

REMARKS:

perfs. 4626', Packer set 4521
load Annulus. Inj. Rate. Circ.
Pump 25 bbls water. Cement
w/ 25sx CLASS Ht. 3% FL-160
100sx CLASS H + 2% CC wash Pump
lines. Displace to Packer Stage
Cement squeezed @ 1500* Reverse
out. Pull 6 Hts. pressure to 500*
O.K. shut In.

SERVICE

DEPTH OF JOB 4626'
 PUMP TRUCK CHARGE _____ 1750.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 14 @ 6.00 84.00
~~MAINTOLD~~ 1 Squeeze @ 85.00 85.00
 @ _____
 @ _____

CHARGE TO: Woodsey Petroleum

TOTAL 1919.00

STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____
ANY APPLICABLE TAX @ _____

WILL BE CHARGED UPON INVOICING TOTAL _____

TAX _____
 TOTAL CHARGE 4161.80
 DISCOUNT 416.18 IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE x Robert Moorehead

x Robert Moorehead
 PRINTED NAME

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3-7-09



WOOLSEY OPERATING COMPANY, LLC

125 NORTH MARKET, SUITE 1000, WICHITA, KANSAS 67202-1775 (316) 267-4379
FAX (316) 267-4383

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March 7, 2007

Kansas Corporation Commission
130 S Market
Rm 2078
Wichita KS 67202

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 07 2007

CONSERVATION DIVISION
WICHITA, KS

Tight Hole Status Requested

Re: **Harbaugh 1**
Section 13-T34S-R12W
Barber County, Kansas
API# 15-007-23080-0000

Enclosed please find our ACO-1 Well History form completed, in triplicate, for the above referenced well. Copies of the cement tickets, drill stem test reports, geologist's report and logs are attached to the original. Logs include: Neutron Density, Dual Induction, Sonic and Cement Bond log.

This letter is to request this information be kept confidential for the first of two years, per rule 82-3-107. Our formal request for the second year of confidentiality will be made next year. Should you require any additional information, please let us know.

Yours very truly,

Debra K. Clingan
Production Assistant

/dkc
Enclosures