

CONFIDENTIALKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM**ORIGINAL**Form ACO-1
September 1999
Form Must Be Typed**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: Terra Drilling, LLC
License: 33843
Wellsite Geologist: Billy G. Klaver

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ SIOW ☐ 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. _____

09/04/2007	09/15/2007	10/02/2007
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-23185 0000County: BARBERNE SW SW SE Sec. 23 Twp. 34 S. R. 12 ☐ East ☒ West

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

2210' 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 E Well #: 1Field Name: STRANATHANProducing Formation: MISSISSIPPIANElevation: Ground: 1390 Kelly Bushing: 1398Total Depth: 5275 Plug Back Total Depth: 5010Amount of Surface Pipe Set and Cemented at 241 FeetMultiple 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 4009
(Data must be collected from the Reserve Pit)Chloride content 38,000 ppm Fluid volume 900 bblsDewatering method used Haul off free fluids and allow to dehydrate

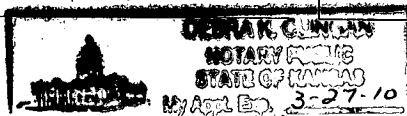
Location of fluid disposal if hauled offsite:

Operator Name: WOOLSEY OPERATING COMPANY, LLCLease Name: SWARTZ 1 License No.: 33168Quarter _____ Sec. 1 Twp. 34W S. R. 11 ☐ East ☒ WestCounty: BARBER Docket No.: D-28,817

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: January 2, 2008Subscribed and sworn to before me this 2nd day of January20 08Notary Public: Debra K. ClinganDate Commission Expires: March 27, 2010**KCC Office Use ONLY**☒ Letter of Confidentiality ReceivedIf Denied, Yes ☐ Date: _____☒ Wireline Log Received☐ Geologist Report Received **RECEIVED**☐ UIC Distribution **KANSAS CORPORATION COMMISSION****JAN 02 2008****CONSERVATION DIVISION
WICHITA, KS**

Operator Name: **WOOLSEY OPERATING COMPANY, LLC** Lease Name: **HARBAUGH E** Well #: **1**
 Sec. **23** 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.

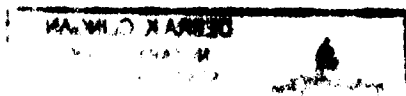
Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Elgin Sd	3553	- 2155
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3761	- 2363
List All E. Logs Run:		Douglas	3783	- 2385
		Swope	4432	- 3034
		Hertha	4458	- 3060
		Mississippian	4660	- 3262
		Viola	5030	- 3632
		Simpson	5159	- 3761
Compensated Neutron Density PE				
Dual Induction				
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# / ft	241'	Class A	200	2%gel, 3%cc
Production	7 7/8"	4 1/2"	10.5# / ft	5161'	60/40 poz	100	6% gel
					Class H	230	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 type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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	Misener 5025-5028	Acid: 1500 gal 7.5% MIRA	5025-28
	CIBP at 5010'		5010
2	Mississippian 4762'-80', 4726'-38' & 4704'-16'	Acid: 3450 gal 10% MIRA	4660-47160A
4	Mississippian 4690'-96' & 4660'-78'	Frac: 468,720 gal treated wtr, 166,300# 30/70 sd, 32,000# 16/30 sd & 17,500# 16/30 resin coated sd	4660-47160A
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size	Set At	Packer At	
2 3/8"	4813'	n/a	
Date of First, Resumed Production, SWD or Enhr. 11/08/2007		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.
	- 0 -	215	115
Gas-Oil Ratio		Gravity	
n/a			

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	



ALLIED CEMENTING CO., INC.

31310

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

SERVICE POINT:

DATE <u>1-15-07</u>	SEC. <u>23</u>	TWP. <u>24S</u>	RANGE <u>12W</u>	CALLED OUT <u>3:45 AM</u>	ON LOCATION <u>6:00 AM</u>	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Harbaugh</u>	WELL # <u>E-1</u>	LOCATION <u>1160 + 281 pt 13 S</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>1 1/2" N side</u>				

CONTRACTOR Ferguson OWNER Woodsey
 TYPE OF JOB Prod CSG
 HOLE SIZE 7 7/8 T.D. 5275
 CASING SIZE 4 1/2 DEPTH 5163
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1800 MINIMUM 200
 MEAS. LINE 1 SHOE JOINT 41
 CEMENT LEFT IN CSG. 41
 PERFS.
 DISPLACEMENT 83 bbls 2 1/2 KCL

EQUIPMENT

PUMP TRUCK CEMENTER Maurice
 # 372 HELPER Dan
 BULK TRUCK
 # 381 DRIVER PR
 BULK TRUCK
 # DRIVER
 WELL FILE

REMARKS:

Pipe on bottom + circulate plug
 lost + mouse, mix 110 + barite
 2300 tail shut down pump
 wash pump + lift + release
 plug, lost displacement, left
 pressure at 46 bbls, slow white
 to 3 km bump plug at 336 bbls
 + 1006 psi plug did hold

CEMENT
 AMOUNT ORDERED 135 + 160 + 40 6 1/4" H
230 + 14 108 gal, 108 gal 6 1/4" H seal
88 H-160 + 4 1/4" H seal 9 gal clasp
 COMMON 81 A @ 11.10 899.10
 POZMIX 54 @ 6.20 334.80
 GEL 7 @ 16.65 116.55
 CHLORIDE @
 ASC @
230 H @ 13.40 3082.00
Gyp Seal 22 @ 23.35 513.70
FL-160 173 @ 10.65 1842.45
Salt 25 @ 9.60 240.00
Kal Seal 1380 @ .70 966.00
Clasp 9 gal @ 25.00 225.00
Flo Seal 92 @ 2.00 184.00

HANDLING 455 @ 1.90 864.50
 MILEAGE 15 X 455 X .09 614.25
 TOTAL 9882.35

SERVICE

DEPTH OF JOB 5163
 PUMP TRUCK CHARGE 1840.00
 EXTRA FOOTAGE @
 MILEAGE 15 @ 6.00 90.00
 MANIFOLD @
Head rental @ 100.00 100.00
 TOTAL 2030.00

CHARGE TO: Woodsey
 STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1/4
1-AT float shoe @ 385.00 385.00
1-2 1/2" down plug @ 360.00 360.00
10-Turbidimeter @ 60.00 600.00
32-Scraper @ 60.00 1920.00
 ANY APPLICABLE TAX
 WILL BE CHARGED
 UPON INVOICING
 TOTAL 3265.00

TAX
 TOTAL CHARGE
 DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Wm R. Harbaugh

W. R. Harbaugh
 NAME

CONFIDENTIAL
 JAN 10 2007
 KCC

RECEIVED CITY
 KANSAS CORPORATION COMMISSION

JAN 02 2008

CONSERVATION DIVISION
 WICHITA, KS

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.

ALLIED CEMENTING CO., INC.

31100

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

SERVICE POINT:

Medicine Lodge, KS

DATE <i>05 Sep 07</i>	SEC. <i>23</i>	TWP. <i>34s</i>	RANGE <i>12w</i>	CALLED OUT <i>2:00AM</i>	ON LOCATION <i>4:00AM</i>	JOB START <i>5:30AM</i>	JOB FINISH <i>6:00AM</i>
LEASE <i>Harbaugh</i>	WELL # <i>E-1</i>	LOCATION <i>13m South of Med. Lodge on</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>NEW</i>		<i>281, 1 1/2 w, n. into</i>					

CONTRACTOR *Tecora #1*
 TYPE OF JOB *Surf face*
 HOLE SIZE *14 3/4* T.D. *241*
 CASING SIZE *10 3/4* DEPTH *241*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *250* MINIMUM
 MEAS. LINE SHOE JOINT *N/A*
 CEMENT LEFT IN CSG. *15'*
 PERFS.
 DISPLACEMENT *22 1/4 Bbls Fresh H₂O*
 EQUIPMENT

PUMP TRUCK CEMENTER *D. Feltz*
 # *343* HELPER *S. Kramer*
 BULK TRUCK
 # *353* DRIVER *M. Becker*
 BULK TRUCK
 # DRIVER

OWNER *Woolsey Open*
 CEMENT
 AMOUNT ORDERED *200sx"A" + 3% cc + 2% gel*

COMMON	<i>200 A</i>	@	<i>11.10</i>	<i>2220.00</i>
POZMIX		@		
GEL	<i>4</i>	@	<i>16.65</i>	<i>66.60</i>
CHLORIDE	<i>7</i>	@	<i>46.60</i>	<i>326.20</i>
ASC		@		

WELL FILE

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

HANDLING *211* @ *1.90* *400.90*
 MILEAGE *15 x 211 x .09* *284.85*

TOTAL *3298.55*

REMARKS:

*Pipe on Bttm, Break Clog, Pump Spacer,
 Mix 200sx"A" 3 1/2, Start Disp, Which
 up, See increase in PSE, Slow Rate,
 Stop Pump at 22 1/4 Bbls total Fresh
 H₂O Disp, Shut in, Release Line PSE,
 Cement Did Clog*

SERVICE

DEPTH OF JOB	<i>241</i>	
PUMP TRUCK CHARGE		<i>815.00</i>
EXTRA FOOTAGE	@	
MILEAGE	<i>15</i>	@ <i>6.00</i> <i>90.00</i>
MANIFOLD	@	
	@	

TOTAL *905.00*CHARGE TO: *Woolsey Open.*

STREET _____
 CITY _____ STATE _____ ZIP _____

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 02 2008

TO: ALLIED CEMENTING CO., INC.
 CONSERVATION DIVISION
 WICHITA, KS

We 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

[Signature]

PLUG & FLOAT EQUIPMENT

<i>NONE</i>	@	
	@	
	@	
	@	

ANY APPLICABLE TAX
 WILL BE CHARGED
 UPON INVOICING

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____

IF PAID IN 30 DAYS

JOR LIVINGSTON

PRINTED NAME

CONFIDENTIAL
 JAN 10 2007

KCC