

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

11/2/12

Operator: License # 7311  
Name: Shakespeare Oil Company, Inc.  
Address: 202 West Main Street  
City/State/Zip: Salem, IL 62881  
Purchaser: NCRA  
Operator Contact Person: Donald R. Williams  
Phone: ( 618 ) 548-1585  
Contractor: Name: HD Drilling, LLC  
License: 33935  
Wellsite Geologist: Tim Priest

NOV 02 2010

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RECEIVED

NOV 04 2010

KCC WICHITA

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: Shakespeare Oil Company, Inc.

Well Name: Glassman #4-22

Original Comp. Date: 8/12/10 Original Total Depth: 4720'

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. \_\_\_\_\_

10/5/10 10/12/10  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 109-20916 - 00-01

County: Logan

NE SE SW NW Sec. 22 Twp. 13 S. R. 32  East  West  
2280 feet from S / (N) (circle one) Line of Section

1180 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE (NW) SW

Lease Name: Glassman Well #: 4-22

Field Name: Stratford SW

Producing Formation: Morrow Sand, Johnson, Ft. Scott, LKC "K"

Elevation: Ground: 3010' Kelly Bushing: 3020'

Total Depth: 4720' Plug Back Total Depth: 4669'

Amount of Surface Pipe Set and Cemented at 224' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2467' Feet

If Alternate II completion, cement circulated from 2467'  
feet depth to surface w/ 365 sx cmt.

Drilling Fluid Management Plan WOW 11-7-10  
(Data must be collected from the Reserve Pit)

Chloride content 6500 ppm Fluid volume 2500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: Donald R. Williams

Title: Vice President Date: 11/2/10

Subscribed and sworn to before me this 2<sup>nd</sup> day of November

20 10

Notary Public: Melissa A. Noel

Date Commission Expires: 11-6-11

**KCC Office Use ONLY**  
 Letter of Confidentiality Received 11/2/10 - 11/2/12  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution



Operator Name: Shakespeare Oil Company, Inc. Lease Name: Glassman Well #: 4-22  
 Sec. 22 Twp. 13 S. R. 32  East  West County: Logan

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 See Geological Report

List All E. Logs Run:

Array Ind/SP/GR, CNL/CDL/GR/ML, Sonic

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 1/4"	8 5/8"	23#	224'	Class A	165	2% gel, 3% CaCl
Production	7 7/8"	5 1/2"	15.5#	4716'	ASC	175	5#/sk coal-seal & 3/4% CD-31

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	2467'-0'	Pozmix	365	65-35 poz w/8% gel & 1/4"/sk flocele

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
6	Morrow Sand	Shot 8' gas gun, 350 gal MOD 101 Acid, 5000 gal gelled 2% KCl wtr frac		4596-4604
4	Ft. Scott	250 gal 15% NEFe		4494-96
4	LKC "K"	250 gal 15% MCA		4249-52
4	Johnson	500 gal 15% NE		4567-70, 4575-81

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	4596'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 10/12/10			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
	95		8		34

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease     
  Open Hole    Perf.    Dually Comp.    Commingled  
 (If vented, Submit ACO-18.)     
  Other (Specify) \_\_\_\_\_