

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

Form ACO-1
September 1999
Form Must Be Typed

Operator: License #: 31514
Name: Thoroughbred Associates, L.L.C
Address: 8100 E. 22nd St. No. Bldg. 600, Ste. F
City/State/Zip: Wichita, Kansas 67226
Purchaser: [REDACTED]
Operator Contact Person: Robert C. Patton
Phone: (316) 685-1512
Contractor: Name: Pickrell Drilling Co., Inc.
License: 5123

Wellsite Geologist: Robert Patton
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIQW 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>8-8-2002</u>	<u>8-20-2002</u>	<u>9-23-2002</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15-033-21,327-0000
County: Comanche
C NW SE Sec. 15 Twp. 32 S. R. 19 East West
1980' feet from S N (circle one) Line of Section
1980' feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Herd Well #: 4
Field Name: N/A

Producing Formation: [REDACTED]
Elevation: Ground: 2022' Kelly Bushing: 2017'
Total Depth: 5910'RT Plug Back Total Depth: 5906' LTD
Amount of Surface Pipe Set and Cemented at 726' 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 _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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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: [Signature]
Title: Managing Partner Date: _____
Subscribed and sworn to before me this 28th day of April, 2003
Notary Public: [Signature]
Date Commission Expires: Sept. 5, 2004

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: 12-13-02
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

KARRI WOLKEN
TERRY PUBLIS
STATE OF KANSAS
9/5/04

15-033-2327-0000

Side Two

Operator Name: Thoroughbred Associates, L.L.C Lease Name: Herd Well #: 4
 Sec. 15 Twp. 32 S. R. 19 East West County: Comanche

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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets)</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy)</p> <p>List All E. Logs Run: See Attachment</p>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Log Name</td> <td style="width:40%;">Formation (Top), Depth and Datum</td> <td style="width:30%;">Sample</td> </tr> <tr> <td></td> <td style="text-align: center;">Top Datum</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">See Attachment</td> </tr> </table>	Log Name	Formation (Top), Depth and Datum	Sample		Top Datum		See Attachment		
Log Name	Formation (Top), Depth and Datum	Sample								
	Top Datum									
See Attachment										

CASING RECORD New <input checked="" 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
See Attachment							

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
	5824'-5828'	250 gls 10% HCL; 1000 gls HCL	
4	5815'-5819'	250 gls 10% HCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No
		2-7/8"	5852'	None		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Date of First, Resumed Production, SWD or Enhr. 9-12-2002	Producing Method Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u> Gas Mcf <u> </u> Water Bbls. <u> </u> Gas-Oil Ratio <u> </u> Gravity <u> </u>

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

METHOD OF COMPLETION

Production Interval: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Attachment to ACO-1

OPERATOR: Thoroughbred Associates, LLC
LEASE NAME: Herd #4
LOCATION: C NW SE, 1980' FSL 1980' FEL
Sec. 15-T32S-R19W
Comanche County, Kansas
API# : 15-033-223170000

List of all E. Logs Run:

Sonic Log
Dual Induction Log
Compensated Neutron Density
Micro Log
Geologists Report

Casing Record:

Conductor: Set 100' of 20" csg.

Surface: Drid 12 1/4" hole to 448' and lost circ. Dry drid 12 1/4" hole to 726; Ran 16 jst. Of new 8 5/8" 23# surface set @ 692'. Cmt w/100sx Lite, 3% CC w 1/4#FC, followed by 100sx ClassA 2% gel 3%CC. Cmt did not circ. Cmt-down backside w/175sx Lite, 3%CC w/1/4#FC.

Production: Set @ 5909' KB, cmt w/215sx ASC w/5#KC/sx and .05% FL 160., 10sx in MH, 15sx in RH of 60-40 Poz, 6% gel. PD @2:10 Am on 8-21-02.

Heebner	4263' -2241
Brown Lime	4440' -2418
Lansing	4462' -2440
Stark	4762' -2740
Marmaton	4932' -2910
Altamont	4974' -2952
Cherokee	5063' -3041
Mississippi	5146' -3124
Cowley	5375' -3353
Viola-Dol	5814' -3792
RTD	
LTD	5840'

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