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FORM MUST BE TYPED

Side One

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 31514
Name: Thoroughbred Associates, LLC
Address: 8100 E. 22nd St. No.
Bldg. 600, Suite F
City/State/Zip: Wichita, KS 67226
Purchaser: TransCanada Energy
Operator Contact Person: Phyllis A. Freeman
Phone: (316) 789-1944
Contractor Name: Pickrell Drilling Co., Inc.
License #: 5123
Wellsite Geologist: Paul Gunzelman
Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover ☐ Temp. Abd.
☐ Oil ☐ SWD ☐ SIOW
☒ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date: _____

Deepening _____ Conv. to Inj/SWD
Plug Back _____ PBTD
Commingle _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or inj?) _____ Docket No. _____

3/22/01 04/03/01 04/04/01
Spud Date Date Reached TD Completion Date

API NO. 15- 15-033-21,205
County: Comanche
120' E

- SW - SE - Sec. 15 Twp. 32S Rge. 19 W

660 Feet from South Line of Section
1860 Feet from East Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, x SE, NW, SW (circle one)

Lease Name: Bernice Herd Well #: 3
Field Name: _____
Producing Formation: Miss/Altamont
Elevation: Ground 2012 ft KB 2017 ft
Total Depth: 5920 ft PBTD
Amount of Surface Pipe Set and Cemented at: 731 ft
Multiple Stage Cementing Collar Used? Yes x No
If yes, show depth set: _____ ft
If Alternate II Completion, cement circulated from: _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 8/29/01 JB
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid Volume _____ bbls
Dewatering method used Hauled

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____

_____ Quarter Sec. _____ Twp. _____ Rge. _____ W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Rm 2078, Wichita, KS 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 on 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.

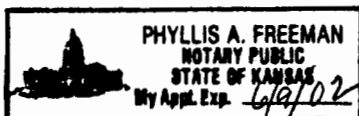
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Robert C. Patton
Title: Managing Partner

Subscribed and sworn to before me this 31st day of _____, 2001.

June 9, 2002
Dt Commission Expires _____
Phyllis A. Freeman, Notary Public

K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of Confidentiality Attached <u>Deny 8-9-01</u>
C <input checked="" type="checkbox"/>	Wireline Log Received <u>DAW</u>
C <input checked="" type="checkbox"/>	Geologist Report Received
Distribution	
_____ KCC	_____ SWD/Rep
_____ KGS	_____ Plug <u>IOG</u>
	_____ NGPA
	_____ Other <input checked="" type="checkbox"/>
(Specify)	
Form ACO-1 (7-91)	



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Side Two

Operator Name: Thoroughbred Associates, LLC
Sec. 15 Twp. 32S Rge. 19 W

Lease Name:

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 Bernice Herd Well #: 3
Comanche

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests showing 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 during test. Attach extra sheet if more space is needed. Attach copy of Log.

Drill Stem Tests Taken ☒ Yes ☐ No
(Attach Additional Sheets)Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy)List All E.Logs Run: Dual Induction, Neutron-Density, Sonic Log
Micro Log, Geologist's Report☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	4252	-2235
Lansing	4439	-2422
Stark Sh	4756	-2739
Mississippi	5141	-3124
Viola	5836	-3819
TD	5922	-3905

CASING RECORD☒ NEW ☐ 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#	726'	Lite Class A	275 100	3%cc, w/1/4#FC/sk 3% cc, 2% gel
Production		4-1/2"	10.5#	5264	ASC w/5%KS/sx	200	15 sx/RH; 10/MH

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 - Specify Footage of Each Interval Perforated	Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record (AMOUNT AND KIND OF MATERIAL USED)	Depth
4	4968-4975		1000 gls 15% MCA	
4	5188-5194		1000 gls 15% MCA	

TUBING RECORD	SIZE 2 3/8"	SET AT 5314	PACKER AT	LINER RUN <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 05/15/01	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/>			
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF 300	Water Bbls	Gas - Oil Ratio Gravity 35 degrees

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 _____

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ERATOR: Thoroughbred Associates, LLC
LEASE NAME: Bernice Herd #3
LOCATION: 120' E. of C SW SE Sec. 15-32S-19W
Comanche County, Kansas
API# 15-033-21,205

DST #1 5090-5214 (Miss) 30-60-45-90 Strong blow off bottom of bucket in 30 seconds, GTS in 5". Initial gauges:
10"/344 MCF; 20"/303 MCF; 30"/259 MCF. 2nd open: gauged gas throughout, 10"/344 MCF; 20"/288 MCF;
30"/259 MCF; 40"/251 MCF. Rec. 390 gcm. HP 2516/2453#. FP 171-123/165-137#. SIP 1627/1582# BHT 124 degree

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