

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

Operator: License # 31514Name: Thoroughbred Associates, LLCAddress 8100 E. 22nd St. No.Bldg. 600, Suite FCity/State/Zip Wichita, Kansas 67226Purchaser: TransCanada EnergyOperator Contact Person: Robert C. PattonPhone (316) 685-1512Contractor: Name: Pickrell Drilling Co., Inc.License: 5123Wellsite Geologist: Paul Gunzelman

Designate Type of Completion

XX New Well Re-Entry Workover

 Oil SWD SLOW Temp. Abd.
XX Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Well Name: Comp. Date Old Total Depth

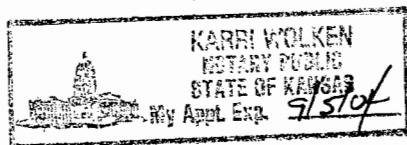
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

12-09-00 12-23-00 01-19-01
Spud Date Date Reached TD Completion Date

API NO. 15- 033-211340000County ComancheNE - NE - SE - Sec. 5 Twp. 32S Rge. 19W E2310 Feet from S/N (circle one) Line of Section330 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Bird Ranch Well # #1Field Name Producing Formation MississippiElevation: Ground 2124' KB 2129'Total Depth RTD 6070' LTD 6074' PBDT Amount of Surface Pipe Set and Cemented at 720' KB FeetMultiple Stage Cementing Collar Used? yes XX NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan AG 1 8/30/01 JB
(Data must be collected from the Reserve Pit)Chloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty 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 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. PattonTitle Managing Partner, Robert C. Patton Date 05-30-01Subscribed and sworn to before me this 30th day of April 2001.Notary Public Karri Wolkene Commission Expires September 5, 2004

K.C.C. OFFICE USE ONLY Deny 8-30-01

F ☒ Letter of Confidentiality Attached Deno
C ☒ Wireline Log Received
C ☒ Geologist Report Received

RECEIVED
DISTRIBUTION
KCC KGS CORPORATION COMMISSION
KGS SWD/Rep Plug NGPA
JUL 18 2001
(Specify)

Form ACO-1 (7-91)

CONSERVATION DIVISION

SIDE TWO

Operator Name Thoroughbred Associates, LLC Lease Name Bird Ranch Well # #1Sec. 5 Twp. 32S Rge. 19W
☐ East ☒ West County Comanche

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

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datums	<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	See attached.	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E.Logs Run:			
Sonic Log			
Micro Log			
Dual Induction Log			
Compensated Neutron Density Log			
Geologist's Report			

CASING RECORD <input type="checkbox"/> 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
Surface		8-5/8"	24#	720'	Lite Class A	225 100	3%cc,w 1/4#FC/sk 2% gel, 3% cc
Production		5-1/2"	15.5#	5364'	ASC w/5%KS/sx	125	15xsx/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 - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5194-5198	1000 gls 15%	
4	5214-5220; 5241-5245	500 gls 15% MCA	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	5443'	5240'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
January 23, 2001	<input checked="" type="checkbox"/> Flowing <input 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
	5	150			

Position of Gas: METHOD OF COMPLETION

☐ Vented ☒ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

Production Interval

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

ORIGINAL

OPERATOR: Thoroughbred Associates, LLC
LEASE NAME: Bird Ranch #1
LOCATION: NE NE SE, 2310' FSL & 330' FEL
Sec. 5-T32S-R19W
Comanche County, Kansas
API#:15-033-211340000

DST #1 5136-5282 (Miss). 30-60-45-90. SBOBOB in 30 seconds, GTS in 4".
Initial gauges: 994 MCF/5"; 1813 MCF/10"; 2117 MCF/20", 2806 MCF/30", all on
1" orifice. Final open: gauged gas throughout. 1824 MCF/5"; 2075 MCF/10";
2675 MCF/20" and stabilized, all on 1-1/2" choke. Gas did burn. Rec. 325'
sgcm, w/scum of oil, 5% gas. FP 859-849/755-856#. SIP 1820/1820#. HP
2598/2543#. BHT 115 degrees.

LOG TOPS

Wuebner	4330' -2201
DownLime	4506' -2377
Lansing	4517' -2388
Stark	4833' -2704
Marmaton	4996' -2867
Cherokee	5113' -2984
Mississippi	5193' -3064
Viola	6010' -3881
LTD	6074' -3945

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 18 2001

CONSERVATION DIVISION