

COPY

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

API NO. 15- 033-209490000

County Comanche

SE SW Sec. 16 Twp. 32S Rge. 19W X W

660 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:  
NE, SE, NW or S/W (circle one)

Lease Name Bird Well # #1

Field Name

Producing Formation Miss.

Elevation: Ground 1986' KB 1991'

Total Depth RTD 5825' PBSD

Amount of Surface Pipe Set and Cemented at 657' Feet

Multiple Stage Cementing Collar Used? Yes XX No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan A.H. 10-2-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used RELEASED

Location of fluid disposal if hauled offsite: SEP 28 1998

Operator Name FROM CONFIDENTIAL

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 31514

Name: Thoroughbred Associates, LLC KCC

Address 8100 E. 22nd St. No.

Bldg. 600, Suite F

City/State/Zip Wichita, Kansas 67226

Purchaser: Cibola Energy Services

Operator Contact Person: Robert C. Patton

Phone (316) 685-1512

Contractor: Name: Pickrell Drilling Co., Inc.

License: 5123

Wellsite 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)

RECEIVED

If Workover: KANSAS CORPORATION COMMISSION

Operator:

Well Name: JUL 17 1998

Comp. Date Old Total Depth

Deepening Re-perforation Conv. to Inj/SWD

Plug Back PBSD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

2-15-97 01-03-98 01-21-98

Spud Date Date Reached TD Completion Date

12-15-97

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. Patton

Title Managing Partner, Robert C. Patton Date 07-13-98

Subscribed and sworn to before me this 13th day of July, 1998.

Notary Public Karri Wolken

Date Commission Expires July 31, 2000

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other (Specify)  
IS

SIDE TWO

Operator Name Thoroughbred Associates, LLC Lease Name Bird Well # #1

Sec. 16 Twp. 32S Rge. 19W  East County Comanche  
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests given, 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:			

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"	25#	657'	Lite	250	3%cc, 1/4# FS/sx
					Common	100	3%cc, 2% gel
Production		5-1/2"	15.5#	5315'	Class H 50/50	200	500 gls preflush, 2% gel, 10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD .5% FL10 & 5# Kol-seal/sk

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
	Top Bottom			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	5115-5119; 5093-5104; 5056-5062;	natural	

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>5112'</u>	Packer At <u>None</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>April 18, 1998</u>			Producing Method <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 2000 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval:  Other (Specify) \_\_\_\_\_

COPY

RECEIVED  
KANSAS CORPORATION COMMISSION

JUL 17 1998

OPERATOR: Thoroughbred Associates, LLC  
LEASE NAME: Bird #1  
LOCATION: C SE SW, 660'FSL & 2014'FWL, Sec. 16-T32S-R19W  
Comanche County, Kansas  
API#: 15-033-209490000

CONSERVATION DIVISION  
WICHITA, KS

RELEASED

SEP 28 1998

FROM CONFIDENTIAL

KCC

JUL 13 1998

CONFIDENTIAL

DST #1 4400-4511, 30-45-45-45. IF: Strong blow off bottom of bucket in 1". GTS in 4". Initial gas volumes: 4,146,000 CFPD after 10", after 20" - 4730 MCFD; after 30" - 5520 MCFD. Shut in for 45". FF: strong blow throughout. Gas volumes at 10" into final flow - 5245 MCFD; after 20" - 5842 MCFD; after 30" and stabilized - 6,440,000 CFPD. FP 1490-1490/1496-1482#. SIP 1626/1630#. HP 2078/2020#.

DST #2 4564-4650 ("H" & "J") 30-45-30-45. IF: Strong blow off bottom of bucket in 30 seconds. GTS in 3". Initial gas volumes: 1162 MCFPD after 10"; after 20" - 1104 MCFPD; after 30" - 1092 MCFPD. FF: spray of water in 5", unable to gauge. Rec. 200' gcmw, 390' sw. FP 375-486/385-689#. SIP 1722/1722#. BHT 134 degrees.

DST #3 4860-4960 (Marmaton/Upper Pawnee) 14-47-50-60. IF: strong blow off bottom of bucket in 30 seconds. GTS in 3". After 10" - gauged 9270 MCF. Tube leaking, had to shut-in tool. FF: GTS immediately. After 10" - 7875 MCF; after 20" - 9618 MCF; after 30" - 8572 MCF; after 40" - 8572 MCF; after 50" - 8572 MCF. Rec. 10' condensate. FP 1296-1497/1266-1397#. SIP 1804/1804#. No BHT.

DST #4 5024-5110 (Top of Miss.) 30-45-60-60. IF: strong blow off bottom of bucket in 2". GTS in 4". Gas gauges after 10" - 2434 MCF; after 20" - 2644 MCF; after 30" - 2644 MCF. Slide tool 3' to bottom. Rec. 350' vsgcm. FF: gas gauges throughout. After 10" - 2574 MCF; after 20" - 2853 MCF; after 30" - 2853 MCF; after 40" - 2853 MCF; after 50" 2853 MCF; and after 60" - 2783 MCF. FP 557-587/577-598#. SIP 1865/1865#. BHT 108 degrees.

LOG TOPS

Heebner	4174'-2183
Toronto	4184'-2193
Lansing	4364'-2373
Top of K.C.	4562'-2571
Stark	4682'-2691
Marmaton	4850'-2859
Cherokee	4978'-2987
Mississippi	5048'-3057
RTD	5825'
LTD	

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