

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 9412
 Name: Henry Nightengale
 Address: HCR 1, Box 52A
 City/State/Zip: Sublette, Kansas 67877
 Purchaser: NA
 Operator Contact Person: Henry Nightengale
 Phone: (620) 668-5441
 Contractor: Name: Cheyenne Drlg., Inc.
 License: 5382
 Wellsite Geologist: Ron Osterbuhr
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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>04/17/01</u>	<u>04/19/01</u>	<u>05/25/01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21392
 County: Haskell
W2 - - - - - Sec. 19 Twp. 27 S. R. 31 East West
2640 feet from (S) N (circle one) Line of Section
1250 feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: Nightengale Well #: 1-19
 Field Name: Hugoton-Infill
 Producing Formation: Chase Group
 Elevation: Ground: 2848' Kelly Bushing: 2859'
 Total Depth: 2720' Plug Back Total Depth: 2717'
 Amount of Surface Pipe Set and Cemented at 1010 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 22,000 ppm Fluid volume 950 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: Ronald Osterbuhr
 Title: AGENT Date: 6-18-01
 Subscribed and sworn to before me this 18th day of June
2001
 Notary Public: K. Renee Spillner
 Date Commission Expires: 2-21-03

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Henry Nightengale Lease Name: Nightengale Well #: 1-19
 Sec. 19 Twp. 27 S. R. 31 East West County: Haskell

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: CASED-HOLE only: <u>G/R-DSN-CCL, MSG-bond</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>T/Cedar Hills</td> <td>1375'</td> <td>+1484'</td> </tr> <tr> <td>B/Stone Corral</td> <td>1900'</td> <td>+ 959'</td> </tr> <tr> <td>T/Hollenberg</td> <td>2646'</td> <td>+ 213'</td> </tr> <tr> <td>T/Herington</td> <td>2682'</td> <td>+ 177'</td> </tr> </table>	Name	Top	Datum	T/Cedar Hills	1375'	+1484'	B/Stone Corral	1900'	+ 959'	T/Hollenberg	2646'	+ 213'	T/Herington	2682'	+ 177'
Name	Top	Datum														
T/Cedar Hills	1375'	+1484'														
B/Stone Corral	1900'	+ 959'														
T/Hollenberg	2646'	+ 213'														
T/Herington	2682'	+ 177'														

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	12.250"	8.625"	23#	1010'	"Lite"/H	300/150	3%CC, .25#Flake
Production	7.875"	5.500"	14#	2719'	Midcon/P+	145/145	1/8# Flake

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 <i>(Amount and Kind of Material Used)</i>
4	2684'-2694', 2705'-2711'	1500gal 20% FE acid
		19,590# 16-30sand; 149,650ft3 N2; 5955 gal of gelled water.

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.375"	2714'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method		
05/25/01		<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
		60 mcf	25bbls	

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 2684'-2711' O.A.

Production Interval Other (Specify) _____

GEOLOGICAL & COMPLETION SUMMARY

OPERATOR: Henry Nightengale

KCC#: 9412

WELL NAME: Nightengale #1-19

API#: 15-081-21392

LOCATION: 2640' FSL, 1250' FWL Sec 19-T27S-R31W

COUNTY: Haskell

ELEVATIONS: G.L.-2848', K.B.-2859 (ref.datum)

TOTAL DEPTH: 2720'

SPUD DATE: 04/17/01 DRILLING COMPLETED: 04/19/01

COMPLETION DATE: 05/25/01

DRILLING CONTRACTOR: Cheyenne Drlg.- Rig #3

KCC#: 5382

SURFACE CASING: 8.625", new 23#

SET @: 1010'

CASING EQUIPMENT:

CEMENT:

COMMENTS:

PRODUCTION CASING: 5 1/2", 14#, new

SET @: 2719'

CASING EQUIPMENT:

1st STAGE CEMENT:

2nd STAGE CEMENT:

COMMENTS:

OPEN-HOLE LOGS: None

CASED-HOLE LOGS: G/R-CCL-DSN, MSG Bond Log

SIGNIFICANT DEPTHS: (log depths measured from K.B. @ 2859')

Horizon	Depth	Datum	Remarks
T/Cedar Hills	1375'	+1484'	
B/Stone Corral	1900'	+ 959'	
T/Hollenberg	2646'	+ 213'	
T/Herington	2682'	+ 177'	perforated from 2684-2694' (4 spf)
T/Krider	2702'	+ 157'	perforated from 2705'-2711' (4spf)
T/Winfield	N.R.		
Rotary Total Depth	2720'	+ 139'	
Plugged-back Depth	2717'	+ 142'	

PERFORATIONS: 2684'-2694', 2705'-2711',

ACID TREATMENTS: 1500 gallons of 20% FE acid, 100 ball sealers, 2900 gallons of 2% KCl water. ISIP was 122#, vacuum in 9 minutes.

FRACTURE TREATMENTS: 19590# of 15/30 Ottawa sand, 142 bbls of treated water, 149,650 scf N₂.

REMARKS: Maximum shut-in pressure during completion operations was 350#.



Prepared by: **Ronald G. Osterbuhr**