

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

Operator: License # 6120
Name: Cabot Oil & Gas Corporation
Address: 600 - 17th Street, Suite 900
City/State/Zip: Denver, CO 80202
Purchaser: Plains Marketing
Operator Contact Person: Linda Wilkins
Phone: (303) 226-9428
Contractor: Name: Patterson Drilling
License: 33001
Wellsite Geologist: Wildcat Well Logging, Larry Looper

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ SIOW ☐ 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>3/5/02</u>	<u>3/13/02</u>	<u>4/15/02</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 175-21869-0000

County: Seward

60°N, NW Sec. 17 Twp. 32 S. R. 33 ☐ East ☒ West

580 feet from S / ☒ (circle one) Line of Section

660 feet from E / ☒ (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Johnson Well #: 11-17

Field Name: Angman South

Producing Formation: St. Louis

Elevation: Ground: 2746 Kelly Bushing: 2759

Total Depth: 5800 Plug Back Total Depth: 5743

Amount of Surface Pipe Set and Cemented at 1485 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cmf.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume 240 bbls

Dewatering method used Hauled to SWD

Location of fluid disposal if hauled offsite:

Operator Name: Nichols Field Service

Lease Name: Morlen 1-16 License No.: 31983

Quarter _____ Sec. 16 Twp. 34 S. R. 32 ☐ East ☒ West

County: Seward Docket No.: D-25529

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: Linda L. Wilkins

Title: Operations Engineering Analyst Date: 6/19/02

Subscribed and sworn to before me this 19 day of June

19 2002

Notary Public: Thany D. Jolley

Date Commission Expires: 11-7-2002

KCC Office Use ONLY

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

28885

Side Two

CONFIDENTIAL

Operator Name: Cabot Oil & Gas Corporation Lease Name: Johnson Well #: 11-17
Sec. 17 Twp. 32 S. R. 33 ☐ East ☒ West County: Seward

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 pressure, 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 ☐ Yes ☒ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy)

List All E. Logs Run:
Platform Express Microlog, Gamma Ray
Platform Express Array Induction, Gamma Ray/SP
Platform Express Compensated Neutron Litho-Density/GR
Cement Bond Variable Density Gamma Ray/CCL

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Chase	2484	KB
Council Grove	2816	KB
b/Heebner	3997	KB
Lansing	4108	KB
Marmaton	4758	KB
Morrow Shale	5292	KB
Chester	5403	KB
Ste. Genevieve	5533	KB
St. Louis	5617	KB

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"	24# / 32#	1485	35:65 Poz C	560	6% gel + 20% salt + .25#/sx D29
Production	7-7/8"	5-1/2"	17# / 15.5#	5788	10:10 Self Stress	390	.2% D46 + .25% D65 + .25#/sx celloflake

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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 SPF	5653 - 5678	Total job: 11,742 gals 15% HCL + 18,000 gals WF130 Pad	

TUBING RECORD		Size	Set At	Packer At	Liner Run	☐ Yes ☒ No	
		2-3/8"	5718.66	RKB			
Date of First, Resumed Production, SWD or Enhr.			Producing Method				
5/2/02			☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	8 bbl	0	24 bbl				

Disposition of Gas: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Sumit ACO-18.)
METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
Production Interval: ☐ Other (Specify) _____