

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED  
KANSAS CORPORATION COMMISSION

APR 15 2004

Form ACO-1  
September 1999  
Form Must Be Typed

CONSERVATION DIVISION  
WICHITA, KS

Operator: License # 6120  
Name: Cabot Oil & Gas Corporation  
Address: 600 17th Street, Suite 900N  
City/State/Zip: Denver, CO 80202  
Purchaser: Duke Energy Field Services  
Operator Contact Person: Jean Arnold - Prod. Tech.  
Phone: ( 303 ) 226-9443  
Contractor: Name: Zenith Drilling Corp. Rig 1 PH#: 316-684-9777  
License: 5141  
Wellsite Geologist: None

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: N/A

Well Name: N/A  
Original Comp. Date: N/A Original Total Depth: N/A

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. \_\_\_\_\_

3/15/04	3/18/04	3/31/04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 175-21922-00-00

County: Seward

W2 W2 NE NE Sec. 18 Twp. 33 S. R. 33  East  West

660' FNL \_\_\_\_\_ feet from S / (N) (circle one) Line of Section

1170' FEL \_\_\_\_\_ feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) SE NW SW

Lease Name: Speakman Well #: 3-18

Field Name: Hugoton

Producing Formation: Chase Group

Elevation: Ground: 2860' Kelly Bushing: 2870'

Total Depth: 2,870' Plug Back Total Depth: 2809'

Amount of Surface Pipe Set and Cemented at 640 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT#1 KJR 5/29/07  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume 2000 bbls

Dewatering method used Evaporation and dry out

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: N/A

Lease Name: N/A License No.: N/A

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.

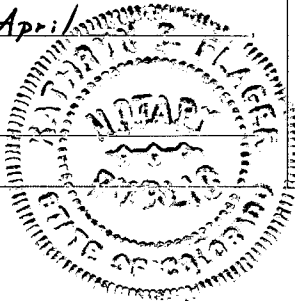
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Jean Arnold  
Title: Production Tech. Date: 4/13/04

Subscribed and sworn to before me this 13th day of April  
20 04

Notary Public: Kathryn S. Flase

Date Commission Expires: 11-12-2007



KCC Office Use ONLY

NO Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_

\_\_\_\_\_ Wireline Log Received

\_\_\_\_\_ Geologist Report Received

\_\_\_\_\_ UIC Distribution

# ORIGINAL

Side Two

Operator Name: Cabot Oil & Gas Corporation Lease Name: Speakman Well #: 3-18  
 Sec. 18 Twp. 33 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 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:  <b>GR/CCL/CBL</b>	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Herrington</td> <td>2575'</td> <td>2870' KB</td> </tr> <tr> <td>Upper Krider</td> <td>2606'</td> <td>2870' KB</td> </tr> <tr> <td>Lower Krider</td> <td>2636'</td> <td>2870' KB</td> </tr> <tr> <td>Winfield</td> <td>2688'</td> <td>2870' KB</td> </tr> <tr> <td>Ft. Riley</td> <td>2744'</td> <td>2870' KB</td> </tr> </tbody> </table>	Name	Top	Datum	Herrington	2575'	2870' KB	Upper Krider	2606'	2870' KB	Lower Krider	2636'	2870' KB	Winfield	2688'	2870' KB	Ft. Riley	2744'	2870' KB
Name	Top	Datum																	
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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	12-1/4"	8-5/8"	24#, J-55 ST&C	640'	A-Serv Lite	360	See attached csg record
					Class A Common		
Production	7-7/8"	4-1/2"	10.5#, J-55 ST&C	2855'	Clc A Lite & 50:50 Poz Prem.	460	See attached csg record

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>	Depth
2	2575'-2586', 2606'-2622', 2644'-2676'	Total Job: 196 bbls 15% HCl+175 ball sealers 1.3 SG	
		Flush w/ 47.4 bbls 2% KCl water	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	None		None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr. <b>4-8-04</b>	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 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	147 MCFD	0	None	0.7334

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____



Cabot Oil & Gas Corporation

APR 15 2004

CONSERVATION DIVISION  
WICHITA, KS

**Speakman 3-18**  
**660' FNL & 1170' FEL**  
**W/2 W/2 NE NE Sec.18-T33S-R33W**  
**Seward County, KS**  
**API# 15-175-21922-00-00**

Purpose of String	Size Hole Drl'd	Size Csg. Set	Weight Lbs/Ft.	Setting Depth	Type of Cement	# Sacks Used	Type & Percent Additives
Surface	12-1/4"	8-5/8"	24#, J-55 ST&C	640'	A-Serv Lite	210	Lead: 3% CaCl <sub>2</sub> , 1/4#/sx celloflake @ 12.2 ppg. Yield 2.15 cu ft/sk.
"	"	"	"	"	Class A Common	150	Tail: 2% CaCl <sub>2</sub> + 1/4#/sx Celloflake @ 14.8 ppg. Yield 1.33 cu ft/sk.
						<b>360 Total</b>	
Production	7-7/8"	4-1/2"	10.5# J-55 ST&C	2,855'	Class A Lite	310	Lead: 3% CaCl <sub>2</sub> +1/4#/sx celloflake, 12.2 ppg slurry.
"	"	"	"	"	50:50 Poz Prem.	150	Tail: 2% gel, 5#/sx gilsonite +5#/sx calset +3% kcl +.4% fla-322, 1/4#/sx celloflake 13.8 ppg slurry yield 1.44 displace w/44.7 bbls 2% KCL wtr.
						<b>460 Total</b>	



ORIGINAL

TREATMENT REPORT

Customer ID		Date	
Customer <i>CABOT OIL + GAS</i>		<i>3-16-04</i>	
Lease <i>SPEAKMAN</i>	Lease No.	Well # <i>3-18</i>	
Field Order # <i>2510</i>	Station <i>LIBERAL</i>	Casing <i>8 7/8</i>	Depth <i>630</i>
County <i>SEWARD</i>		State <i>KS</i>	
Type Job <i>8 7/8 SURFACE (NW)</i>	Formation	Legal Description <i>18-335-334</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 7/8</i>	Tubing Size	Shots/Ft		Acid <i>150 SH COMMON</i>	RATE	PRESS	ISIP	
Depth <i>640</i>	Depth	From	To	Pre-Pad <i>210 SH ASERV LIKE</i>	Max		5 Min.	
Volume <i>38</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>1200</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>WATER</i>	Gas Volume		Total Load	

Customer Representative <i>Josh Wheeler</i>	Station Manager <i>Dirk Morris</i>	Treater <i>Shawn Frederick</i>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2000					Called out for job
2330					on location / RIG Drilling
0100					TRUCKS on location
0105					PRE-JOB SAFETY MEETING
0110					RIG up P.T.
0120					Through Drilling / Full D.P.
0200					D.P. OUT OF Hole / RIG up CASERS
0230					START IN w/ CASING / F.E.
0345					CASING on BOTTOM / Hook up P.C.
0355					BREAK Circ w/ RIG
0400					Through circ / Hook lines to P.T.
0405	250		80	5	Pump 210 SH ASERV Like @ 12.2"
0420	0		35	5	Pump 150 SH COMMON @ 14.8"
0430					SHUT DOWN / Drop Plug
0435	0		38	5	Pump Disp
0435	0		(0 in)	5	CMT TO PIT (38 BBLs)
0445	500		(30 in)	2	SLOW RATE
0450	1100			2	LAN PLUG
0451					Release float - HELD
0530					JOB complete

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WICHITA, KS

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383



ORIGINAL

TREATMENT REPORT

Customer ID		Date	
Customer: <u>Hot Oil &amp; Gas</u>		3-18-04	
Lease: <u>Speakman</u>		Lease No.	Well # <u>3-18</u>
Field Order # <u>8233</u>	Station <u>Pratt</u>	Casing <u>1 1/2</u>	Depth
County <u>Seward</u>		State <u>KS</u>	

Type Job Long String New Well Formation \_\_\_\_\_ Legal Description 18-33s-33w

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>4 1/2</u>	Tubing Size <u>PBTD</u>	Shots/Ft <u>1.33</u>	ppg <u>13.8</u>	Acid <u>30 sk. 50-50 2' H</u>	RATE	PRESS <u>2000</u>	ISIP	
Depth <u>2813</u>	Depth <u>PBTD</u>	From	To	Pre Pad <u>5% G.I. 5 # Cement 3%</u>	Max		5 Min.	
Volume <u>44.7</u>	Volume	From	To	Flu. <u>19 C.F., 4.90 FL.</u>	Min		10 Min.	
Max Press	Max Press	From <u>215<sup>psi</sup></u>	To <u>12.2 ppg</u>	Frac <u>210 sk A-Lite</u>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	<u>3% CC 4.4 C.F.</u>	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <u>midflwh Disp 4 1/2%</u>	Gas Volume		Total Load	

Customer Representative Josh Wheeler Station Manager Dave Autry Treater D Scott

Service Units	118	46	57	34	71	35	70		
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1700					On loc w/Trkr Safety mtg Comp F.E. Cog on Bottom Circ w/Rig
2117	400		12	6	St mud Flush
2120	400		5	6	H2O Spacer
2123	300		118	6	Mix Lead Cmt @ 12.2 ppg 310 sk.
2142	206		37.4	6	Mix Tail Cmt @ 13.8 ppg
2150	0		10		Close In + Wash pump line Release Top Swiper Plug
2152	100			7	St Disp w/ 2.9% KCL
2200	1500		44.7	0	Plug Down + psi Test Csg
2202	0				Release psi Held Didn't Circ Cmt

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Job Complete  
Thank you  
Scotty