

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

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 Corporation PH#: 316-684-9777  
 License: 5141  
 Wellsite Geologist: None  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temporary 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. \_\_\_\_\_  

<u>3/9/04</u>	<u>3/13/04</u>	<u>3/31/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

RECEIVED  
KANSAS CORPORATION COMMISSION  
APR 27 2004  
WICHITA, KS  
CONSERVATION DIVISION

API No. 15 - 175-21924-00-00  
 County: Seward  
N/2 SW SW Sec. 7 Twp. 33 S. R. 33  East  West  
990' FSL    feet from (S) N (circle one) Line of Section  
660' FWL    feet from E (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW (SW)  
 Lease Name: Harrison    Well #: 2-7  
 Field Name: Hugoton  
 Producing Formation: Chase Group  
 Elevation: Ground: 2856'    Kelly Bushing: 2866'  
 Total Depth: 2,855'    Plug Back Total Depth: 2808'  
 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 KGR 5/25/07  
 (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: 4/23/04  
 Subscribed and sworn to before me this 23 day of April,  
2004  
 Notary Public: Kathryn B. Flager  
 Date Commission Expires: \_\_\_\_\_

**KATHRYN B. FLAGER  
NOTARY PUBLIC  
STATE OF COLORADO**  
 My 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

X

ORIGINAL

Side Two

Operator Name: Cabot Oil & Gas Corporation Lease Name: Harrison Well #: 2-7
Sec. 7 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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy)
List All E. Logs Run:

Table with 3 columns: Name, Top, Datum. Rows include Herrington, Upper Krider, Lower Krider, Winfield, Ft. Riley.

GR/CCL/CBL

CASING RECORD table with columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs./ Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record, Depth.

RECEIVED
KANSAS CORPORATION COMMISSION
APR 27 2004
CONSERVATION DIVISION
WICHITA, KS

TUBING RECORD table with columns: Size, Packer At, Liner Run, Date of First, Resumerd Production, SWD or Enhr., Producing Method, Estimated Production Per 24 Hours, Oil Bbbs., Gas Mcf, Water Bbbs., Gas-Oil Ratio, Gravity.

Disposition of Gas METHOD OF COMPLETION Production Interval
Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
Other (Specify)

Casing Record Continued

**ORIGINAL**



**Cabot Oil & Gas Corporation**

RECEIVED  
KANSAS CORPORATION COMMISSION

APR 27 2004

CONSERVATION DIVISION  
WICHITA, KS

Harrison 2-7  
990' FSL & 660' FWL  
N/2 SW SW Sec.7-T33S-R33W  
Seward County, KS  
API# 15-175-21924-00-00

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'	35:65 Poz C Class A Lite	210	Lead: 3% CaCl, 1/4#/sk c.f.
"	"	"	"	"	"	150	Tail: 2% CaCl, 1/4#/sk c.f. Displaced with 38 bbls water.
						<b>360 Total</b>	
Production	7-7/8"	4-1/2"	10.5# J-55 ST&C	2,854'	35:65 Poz Class A Lite	310	Lead: 3% CaCl <sub>2</sub> , 1/4#/sx celloflake.
"	"	"	"	"	50:50 Poz Prem.	150	Tail: 2% gel 5#/sx gilsonite, 5#/sk calset + 3% Kcl + .25 # fla 322. Displaced w/ 44.7 bbls 2% KCl water.
						<b>460 Total</b>	

## TREATMENT REPORT



Customer ID	Date	
Customer Cabot Oil & Gas	3-10-04	
Lease Harrison	Lease No.	Well # 2-7

Field Order # 8229	Station Pratt KS	Casing 8 5/8	Depth 644	County Seward	State KS
Type Job Surface New Well			Formation	Legal Description 7-33J-33W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft 2.18 PPS	12.2 ppg	Acid 210 ski Lite 390 CC	1/4 C.F.	RATE	PRESS	ISIP
Depth 600	Depth PSTD	From 1.36 PPS	To 15.2 ppg	Pre Pad 150 ski std 290 CC	Max 1/4 C.F.		300	5 Min.
Volume 38.1	Volume	From	To	Pad	Min			10 Min.
Max Press 300	Max Press	From	To	Flow 81.5 + 36.3 =	Avg 118 Bbl/s	5L		15 Min.
Well Connection	Annulus Vol.	From	To	Flush Fresh H2O	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative Josh Wheeler	Station Manager Dave Astry	Treater D Scott
---	-------------------------------	--------------------

Service Units	118	46	57	44	95
---------------	-----	----	----	----	----

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0200					On loc w/Trici Safety mtg wait on more Cmt Comp F.I.E. Csg on Bottom Circ w/Rig
0558	200		81.5	5	mix head Cmt @ 12.2 ppg 210 ski
0614	150		36.3	4	mix Tail Cmt @ 15.2 ppg 150 ski
0620	⊖				Chose In & Release Top Swiper Plug
0622	100			4	St Disp w/H2O
0630	100		38	⊖	Plug Down & psi Test Csg
0632	⊖				Release psi Held
					Circ 13 Bbl Cmt = 33 ski

RECEIVED  
KANSAS CORPORATION COMMISSION  
APR 27 2004  
CONSERVATION DIVISION  
WICHITA, KS

Job Complete  
Thank you  
Scotty

ORIGINAL

FIELD ORDER 8229



INVOICE NO.	Subject to Correction		
Date	Lease	Well #	Legal
3-10-04	Harrison	2-7	7-335-336
Customer ID	County	State	Station
	Seward	KS	Pratt KS
C H A R G E	Depth	Formation	Shoe Joint
	858	TP = 645' 24 ppf	44.8
	Casing	Casing Depth	TD
	8 5/8	645	646
	Customer Representative	Treater	Job Type
	Josh Wheeler	D. Scott	Surface New Well

AFE Number	PO Number	Materials Received by
		X Josh Wheeler

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D200	150 sk	Common 2% cc 1/4 cell	110 sks	PRATT ✓ 40 sks	LIBERAL ✓	
D206	210 sk	A-Serv Lite 2% cc 1/4 cell	130 sks	PRATT ✓ 80 sks	LIBERAL ✓	
C310	823 Lb	Calcium Chloride	✓ 524	PRATT 281	1.5	
C194	90 Lb	Cell Flake	✓ 60	PRATT 83	Lib	
F145	1 c	Top Swiper Plug 8 5/8	Lib	✓		
E100	1 c	1 way 12mi Trlc mi				
E107	360 sk	Cmt Serv Chg				
E104	193 tm	Bulk Delv				
R202	1 c	Pump Chg				
R701	1 c	Cmt Head Rental				
E101	1 c	1 way 12mi Pickup mi				
				Discounted Price =		4478.71

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



# ORIGINAL TREATMENT REPORT

Customer ID		Date	
Customer Cabot Oil & Gas		3-12-04	
Lease Harrison		Lease No.	Well # 2-7
Field Order # 8231	Station Pratt KS	Casing 4 1/2	Depth 2854
County Seward		State KS	
Type Job Long String New Well		Formation	Legal Description 7-335-33w

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft 1,44	13.8 ppg	Acid 150ski 50-50 por 5#	38% KCL	RATE	PRESS	ISIP
Depth 2816	Depth PSTD	From	To	3# Cabot, 4% FLA-32	14 C.F.		2000	5 Min.
Volume 44.7	Volume	From	To	310ski A-Lite		Min		10 Min.
Max Press 2000	Max Press	From 2.12	To 12.2 ppg	3% CC 1/4 C.F.		Avg		15 Min.
Well Connection	Annulus Vol.	From	To	25ski por Plug Rth		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Disp w/2% KCL		Gas Volume		Total Load

Customer Representative John Wheeler	Station Manager Dave Austry	Treater D. Scott
---	--------------------------------	---------------------

Service Units	118	46	37	34	71	47	76		
---------------	-----	----	----	----	----	----	----	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1800					On loc w/Trk's Comp F.E. Csg on Bottom Break Circ w/Rig
1232	300		10	5	H <sub>2</sub> O Spacer
1234	300		115.9	7	St mixing head Cmt @ 12.2 ppg 310ski lite
1255	150		38.4	5	St mixing Tail Cmt @ 13.8 ppg 150ski 1/4 por
1305	Ø		10	5	Close In & Wash Pump & line
1306					Release Top Swiper Plug
1307	100			7	St Disp w/2% KCL
1309	200		14	7	14 Bbli. Disp out lift Cmt
1316	1500		44.7	Ø	Plug Down & psi Test Csg
1323	Ø				Release psi Floats Hold Good Circ Thru Job Circ 10 Bbli Cmt = 25ski

RECEIVED  
OAS CORPORATION COMMISSION  
APR 27 2004  
CONSERVATION DIVISION  
MICHITA, KS

Job Complete  
Thank you  
Scotty

ORIGINAL



INVOICE NO.  
Date 3-12-04  
Customer ID

Subject to Correction

FIELD ORDER

8231

Lease Harrison  
County Seward  
Well # 2-7  
State KS  
Legal 7-335-330  
Station Pratt KS

CHARGE

Cubot Oil & Gas

Depth Formation TP=2854 10.5ppf Shoe Joint 38.72  
Casing 4 1/2 Casing Depth 2854 TD 2855 Job Type Longstring New Well  
Customer Representative Josh Wheeler Treater D Scott

AFE Number

PO Number

Materials Received by

X Josh Wheeler

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D104	150sk	50-50 por Prem	Pratt	✓		
D206	310sk	A-Serv Lite Common	Lib	✓		
D203	25sk	60-40 por "	Pratt	✓		
C321	630 Lb	Gilsonite	"	✓		RECEIVED KANSAS CORPORATION COMMISSION
C311	630 Lb	Calset	"	✓		APR 27 2004
C140	236 Lb	HCL	"	✓		CONSERVATION DIVISION WICHITA, KS
C195	51 Lb	FLA-322	"	✓		
C310	810 Lb	Calcium Chloride	Lib	✓		
C194	99 Lb	Cellflake	"	✓		
F142	1 ca	Top Swiper Plug 4 1/2	Pratt	✓		
C140	350 Lb	HCL for Disp flush	"	✓		
E100	1 ca	Trk mi lway 5mi				
E107	485sk	Cmt Serv Chg				
E104	105 tm	lway 5mi				
R206	1 ca	Pump Charge				
R201	1 ca	Cmt Head Rental				
E101	1 ca	Pickup mi lway 5mi				
Discounted Price =				6401.02		

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

TOTAL