KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

Operator: License # 5278
Name: EOG RESOURCES, INC.
Address: 3817 NW ESPRESSWAY, SUITE 500
City/State/Zip: OKLAHOMA CITY, OK 73112
Purchaser: DUKE ENERGY FIELD SERVICES
Operator Contact Person: CHRISTIAN C. COMBS
Phone: (405) 246-3100
Contractor: Name: ABERCROMBIE RTD, INC.
License: 30684
Wellsite Geologist: AUSTIN GARNER

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Designate Type of Completion:

✔ New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
✔ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)

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WICHITA, KS

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. ___

5/28/2004	6/5/2004	8/16/2004
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 025-21262-0000
County: CLARK
SE NE NE Sec. 26 Twp. 34 S. R. 24 ☐ East ☑ West
990 feet from (S) / N (circle one) Line of Section
330 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

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Lease Name: GARDINER Well #: 26 #1
Field Name: WILDCAT
Producing Formation: CHESTER
Elevation: Ground: 1910 Kelly Bushing: 1914
Total Depth: 5900 Plug Back Total Depth: 5768
Amount of Surface Pipe Set and Cemented at 790 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.
ALT I WHM 8-16-06

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 4000 ppm Fluid volume 1000 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: Christian C Combs
Title: OPERATIONS ASSISTANT Date: 9/1/04
Subscribed and sworn to before me this 1st day of September, 20 04.
Notary Public: Linda M Bruster #01017071
Date Commission Expires: 10-11-05

LINDA M. BRUSTER
Cleveland County
Notary Public in and for
State of Oklahoma
My commission expires Oct. 11, 2005.

KCC Office Use ONLY

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

Side Two

Operator Name: EOG RESOURCES, INC. Lease Name: GARDINER Well #: 26 #1

Sec. 26 Twp. 34 S. R. 24 ☐ East ☑ West County: CLARK

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 ☐ 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:

INDUCTION / MIRCROLOG / DENSITY

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

Name	Top	Datum
BASE OF HEEBNER	4234	2320
LANSING	4417	2503
MARMATON	5054	3140
MORROW	5465	3551
CHESTER	5478	3564

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	790	PREM PLUS	320	2%CC+1/4# FLOCELE
PRODUCTION	7 7/8	4 1/2	10.5	5900	50/50 POZ	325	10%SALT, 6%CALSEAL&HALAD. 5%D

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	5714-24, 5732-38, 5754-56 (72 SHOTS)	500g 15% NEFE HCL	5754-56
		1000g 15% NEFE HCL & 20 BALL SEALERS(1.3 SG)	5714-56
		50000# 20/40 BRN SND & 15540g 75% CO2 FOAM	5714-56

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5680	----------	☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
8/16/2004	☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	148	3	---------	---------

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

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled ____
☐ Other *(Specify)* ____

Production Interval: ____

HALLIBURTON JOB SUMMARY

REGION: Central Operations	NWA / COUNTRY: Mid Contitnent/USA	SALES ORDER NUMBER: 3115433	TICKET DATE: 06/05/04
MBU ID / EMPL #: MCLI0101 301261	H.E.S EMPLOYEE NAME: Scott Green	BDA / STATE: MC/Ks	COUNTY: CLARK
LOCATION: LIBERAL	COMPANY: EOG RESOURCES	PSL DEPARTMENT: Cement	
TICKET AMOUNT: $11,657.23	WELL TYPE: 01 Oil	CUSTOMER REP / PHONE: ROBERT ALBRIGHT 580-651-0084	
WELL LOCATION: Englewood, Ks	DEPARTMENT: Cement	API/UWI #:	
LEASE NAME: GARDINER / Well No.: 26#1	SEC / TWP / RNG:	SAP BOMB NUMBER: 7523	Cement Production Casing
		HES FACILITY (CLOSEST TO WELL SITE): Liberal Ks	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Green, S 301261	17.0			
Smith, B 106036	17.0			
Nichols, J 288309	15.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547695	130			
10251401	130			
10011392 / 10011278	65			

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Form. Name ____ Type: ____
Form. Thickness ____ From ____ To ____
Packer Type ____ Set At ____
Bottom Hole Temp. ____ Pressure ____
Retainer Depth ____ Total Depth 5,900'

	Called Out	On Location	Job Started	Job Completed
Date	6/5/2004	6/5/2004	6/5/2004	6/5/2004
Time	0930	1245	2205	2256

Type and Size		Qty	Make
Float Collar	4 1/2"	1	Howco
Float Shoe	4 1/2"	1	Howco
Centralizers	4 1/2"x7 7/8"	10	Howco
Top Plug	4 1/2"	1	Howco
HEAD	4 1/2"	1	Howco
Limit clamp	4 1/2"	1	Howco
Weld-A		1	Howco
Guide Shoe			Howco
BTM PLUG			Howco

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	New	10.5#	4 1/2"	0	5,892	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			7 7/8"	790	5,900	Shots/Ft.
Perforations						
Perforations						
Perforations						

Mud Type ____ Density ____ Lb/Gal
Disp. Fluid ____ Density ____ Lb/Gal
Prop. Type ____ Size ____ Lb
Prop. Type ____ Size ____ Lb
Acid Type ____ Gal. ____ %
Acid Type ____ Gal. ____ %
Surfactant ____ Gal. ____ In
NE Agent ____ Gal. ____ In
Fluid Loss ____ Gal/Lb ____ In
Gelling Agent ____ Gal/Lb ____ In
Fric. Red. ____ Gal/Lb ____ In
Breaker ____ Gal/Lb ____ In
Blocking Agent ____ Gal/Lb
Perfpac Balls ____ Qty.
Other
Other
Other
Other
Other

Date	Hours	Date	Hours
6/5	11.0	6/5	1.5
	11.0		1.5

Cement Production Casing

Ordered ____ Avail. ____ Used ____
Treating ____ Disp. ____ Overall ____
Feet 42 Reason SHOE JOINT

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Stage	Sacks	Cement	Bulk/Sks	Additives		W/Rq.	Yield	Lbs/Gal
1	50	50/50 POZ PP		6# GILSONITE - 10% SALT - 5% CALSEAL - .5% HALAD-322	.5%D-A	11.46	2.20	12.30
2	275	50/50 POZ PP		6# GILSONITE - 10% SALT - 5% CALSEAL - .5% HALAD-322	.5%D-A	7.31	1.63	13.60
3								
4								

Circulating ____ Displacement ____
Breakdown ____ MAXIMUM ____
Lost Returns-\ ____ Lost Returns-\ ____
Cmt Rtrn#Bbl ____ Actual TOC ____
Average ____ Frac. Gradient ____
Shut In: Instant ____ 5 Min. ____ 15 Min ____

Preflush: BBl ____ Type:
Load & Bkdn: Gal - BBl ____ Pad:Bbl -Gal ____
Excess /Return BBl ____ Calc.Disp Bbl 93
Calc. TOC: ____ Actual Disp. 93
Treatment: Gal - BBl 4,800 Disp:Bbl ____
Cement Slurry BBl 19.6 / 80
Total Volume BBl 192.60

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE ____ SIGNATURE

HALLIBURTON JOB LOG

TICKET # 3115433	TICKET DATE 06/05/04		
REGION Central Operations	NWA / COUNTRY Mid Contitnent/USA	BDA / STATE MC/Ks	COUNTY CLARK
MBU ID / EMPL # MCLI0101 301261	H.E.S EMPLOYEE NAME Scott Green	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY EOG RESOURCES	CUSTOMER REP / PHONE ROBERT ALBRIGHT 580-651-0084	
TICKET AMOUNT $11,157.27	WELL TYPE 01 Oil	API/UWI #	
WELL LOCATION Englewood, Ks	DEPARTMENT Cement	JOB PURPOSE CODE Cement Production Casing	
LEASE NAME GARDINER / Well No. 26#1	SEC / TWP / RNG	HES FACILITY (CLOSEST TO WELL) Liberal Ks	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Green, S 301261	17						
Smith, B 106036	17						
Nichols, J 288309	16						

	0930						Called for job
	100						Pre-trip safety meeting
	1245						Arrive at location, perform job site assessment, move
							Halliburton unit on & rig-up same. Rig POOH w/- D/P
	1330						Bulk truck on locn, safety mtg w/- driver, move on & r/u
	1530						Rig-up casing crew / RIH w/- 4 1/2" casing
	2000						Casing @ setting depth
	2005						Rig-up cement head / Break circulation
	2015						Rig down casing crew
	2150						Safety meeting
	2205				4000		Pressure test
	2209	7.3	19.6		180/345		Mix & pump 50sx lead slurry @ 12.3#
	2211	7.3	80.0		150/200		Mix & pump 275sx tail slurry @ 13.5#
	2224						Stop pumping
	2225						Clean lines
	2230						Release plug
	2231	6.5			75/650		Displace w/- 2% KCl
	2241	6.5	57.0		75/150		Displacement caught cement
	2246	1.0	83.0		650		Slow rate
	2255		93.0		700/1200		Bump plug
	2256						Bleed off / Check floats
							End job
							Thanks for calling Halliburton, Liberal
							Scott & Crew

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HALLIBURTON JOB SUMMARY

REGION: Central Operations	NWA / COUNTRY: Mid Contitnent/USA	SALES ORDER NUMBER: 3091688	TICKET DATE: 05/26/04
MBU ID / EMPL #: MCLIO101 106322	H.E.S EMPLOYEE NAME: DANNY McLANE	BDA / STATE: MC/Ks	COUNTY: CLARK
LOCATION: LIBERAL	COMPANY: EOG RESOURCES	PSL DEPARTMENT: Cement	
TICKET AMOUNT: $9,032.87	WELL TYPE: 01 Oil	CUSTOMER REP / PHONE: DANNY RAUH 580-651-0084	
WELL LOCATION: ENGLEWOOD,KS	DEPARTMENT: CEMENT	API/UWI #:	
LEASE NAME: GARDINER — Well No. 26#1	SEC / TWP / RNG:	SAP BOMB NUMBER: 7521 — Cement Surface Casing	
		HES FACILITY (CLOSEST TO WELL SITE): LIBERAL	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
Mclane, D 106322	6.0
Arnett, J 226567	6.0
Tate, N 105953	6.0

H.E.S. UNIT #S / (R / T MILES)	R / T MILES
10415642	130
10251403	130
10240236 10240245	65

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Form. Name _____ Type: _____
Form. Thickness _____ From _____ To _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	5/25/2004	5/25/2004	5/26/2004	5/26/2004
Time	1800	2100	0100	0200

Tools and Accessories

Type and Size		Qty	Make
Insert	8 5/8"	1	HOWCO
Float Shoe			
Centralizers	8 5/8"	3	HOWCO
Top Plug	8 5/8"	1	HOWCO
HEAD	8 5/8"	1	HOWCO
Limit clamp	8 5/8"	1	HOWCO
Weld-A	8 5/8"	1	HOWCO
Guide Shoe	8 5/8"	1	HOWCO
Basket	8 5/8"	1	HOWCO

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	NEW	24.0	8 5/8"	0	790	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			12 1/4"			Shots/Ft.
Perforations						
Perforations						
Perforations						

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Materials

Mud Type _____ Density _____ Lb/Gal
Disp. Fluid _____ Density _____ Lb/Gal
Prop. Type _____ Size _____ Lb _____
Prop. Type _____ Size _____ Lb _____
Acid Type _____ Gal. _____ % _____
Acid Type _____ Gal. _____ % _____
Surfactant _____ Gal. _____ In _____
NE Agent _____ Gal. _____ In _____
Fluid Loss _____ Gal/Lb _____ In _____
Gelling Agent _____ Gal/Lb _____ In _____
Fric. Red. _____ Gal/Lb _____ In _____
Breaker _____ Gal/Lb _____ In _____
Blocking Agent _____ Gal/Lb _____
Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____
Other _____

Hours On Location

Date	Hours
5/25	3.0
5/26	3.0
Total	6.0

Operating Hours

Date	Hours
5/26	1.0
Total	1.0

Description of Job

Cement Surface Casing

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Hydraulic Horsepower

Ordered _____ Avail. _____ Used _____

Average Rates in BPM

Treating _____ Disp. _____ Overall _____

Cement Left in Pipe

Feet 43.21 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	175	MIDCON II PP	Bulk	2% CC - 1/4# FLOCELE	18.04	2.93	11.40
2	125	PREM PLUS	Bulk	2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Summary

Circulating _____ Displacement _____
Breakdown _____ MAXIMUM _____
Lost Returns-Y _____ Lost Returns-N _____
Cmt Rtrn#Bbl _____ Actual TOC _____
Average _____ Frac. Gradient _____
Shut In: Instant _____ 5 Min. _____ 15 Min _____

Preflush: BBl _____ Type: _____
Load & Bkdn: Gal - BBl _____ Pad:Bbl -Gal _____
Excess /Return BBl _____ Calc.Disp Bbl 47.4
Calc. TOC: _____ Actual Disp. 47.5
Treatment: Gal - BBl _____ Disp:Bbl _____
Cement Slurry BBl 91.3 , 29.8
Total Volume BBl #VALUE!

Frac Ring # 1 | Frac Ring # 2 | Frac Ring # 3 | Frac Ring # 4

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE _____ Dan Rauh
SIGNATURE

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HALLIBURTON JOB LOG

REGION: Central Operations	NWA / COUNTRY: Mid Contitnent/USA	TICKET #: 3091533	TICKET DATE: 05/26/04
MBU ID / EMPL #: MCLIO101 106322	H.E.S EMPLOYEE NAME: DANNY McLANE	BDA / STATE: MC/Ks	COUNTY: CLARK
LOCATION: LIBERAL	COMPANY: EOG RESOURCES	PSL DEPARTMENT: Cement	
TICKET AMOUNT: $9,032.87	WELL TYPE: 01 Oil	CUSTOMER REP / PHONE: DANNY RAUH 580-651-0084	
WELL LOCATION: ENGLEWOOD,KS	DEPARTMENT: CEMENT	API/UWI #:	
LEASE NAME: GARDINER Well No. 26#1	SEC / TWP / RNG	JOB PURPOSE CODE: Cement Surface Casing	
		HES FACILITY (CLOSEST TO WELL): LIBERAL	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Mclane, D 106322	6						
Arnett, J 226567	6						
Tate, N 105953	6						

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Chart No.	Time	Rate	Volume	Rate	Press (PSI)		Job Description / Remarks
	1800						CALLED OUT FOR JOB
	2200						JOB READY
	1830						PRE-TRIP SAFETY MEETING
	2100						PT & BT ON LOCATION/ JOB SITE ASSESMENT
	2115						HOLD SAFETY MEETING WITH DRIVERS
	2130						RIG UP TRUCKS
	0040						PRE JOB SAFETY MEETING
	0055						HOOK UP PLUG CONTAINER
	0059						HOOK UP TO PUMP TRUCK
	0101				2500		PRESSURE TEST PUMP AND LINES
	0106	6.0	0		0/125		START MIXING 175 SKS OF MIDCON II PP @ 11.4 #/GAL
	0122	6.0	91.3		155		START MIXING 145 SKS OF PREMIUM PLUS @ 14.8 #/GAL
	0126		29.8				THROUGH MIXING CEMENT
	0128						SHUT DOWN——————DROP TOP PLUG
	0129	6.0	0		0/80		START DISPLACING WITH FRESH WATER
	0133		15.0		80/130		DISPLACEMENT CAUGHT CEMENT
	0137	1.0	36.0		220/130		SLOW DOWN RATE
	0146		47.5		215/730		PLUG LANDED AND PRESSURE UP CASING
	0147				730/0		RELEASE PRESSURE AND FLOAT HELD
							FLOW BACK WAS HALF BBL
							CIRCULATED 20 BBLS TO SURFACE
							THANKS FOR CALLING HALLIBURTON
							DANNY AND CREW

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