RECEIVED
JUN 24 2005
KCC WICHITA

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

ORIGINAL

CONFIDENTIAL

Operator: License # 5278
Name: EOG Resources, Inc.
Address: 3817 NW Expressway, Ste 500
City/State/Zip: Oklahoma City, OK 73112
Purchaser: Duke Energy Field Services
Operator Contact Person: Dara Tatum
Phone: (405) 246-3244
Contractor: Name: Abercrombie
License: 30684
Wellsite Geologist:

KCC
MAR 30 2005
CONFIDENTIAL

Designate Type of Completion:
X New Well ____ Re-Entry ____ Workover
X 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.

2-11-05	2-22-05	4-14-05
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 025-21279-00-00
County: Clark
C NW NE Sec. 11 Twp. 34 S. R. 24 ☐ East ☒ West
660' feet from S / (N) (circle one) Line of Section
1980' feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Gardiner 11 Well #: 1
Field Name:
Producing Formation: Kansas City
Elevation: Ground: 1941' Kelly Bushing: 1952'
Total Depth: 5850' Plug Back Total Depth: 5790'
Amount of Surface Pipe Set and Cemented at 809' 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)
ALT I WHm 4-6-07
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: Dara Tatum
Title: Sr Regulatory Admin. Date: 6-20-05
Subscribed and sworn to before me this 22nd day of JUNE, 20 05.
Notary Public: Heather Nealson
Date Commission Expires: 4-26-08

HEATHER NEALSON
Cleveland County
Notary Public in and for
State of Oklahoma
Commission # 04003796 Expires 4/26/08

KCC Office Use ONLY
YES 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 11 Well #: 1

Sec. 11 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 (Attach Additional Sheets) ☐ Yes ☒ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy) ☒ Yes ☐ No

List All E. Logs Run:

High Resolution Induction Log, Micro-log, Spectral Density Dual Spaced Neutron

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

Name	Top	Datum
Council Grove	2690'	738'
Base of Heebner	4217'	2265'
Lansing	4400'	2448'
Marmaton	4956'	3004'
Cherokee	5199'	3247'
Morrow	5438'	3486'
Chester	5662'	3710'

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#	809'	P.P.	330	3% CC-1/4# Flocele 2% CC-1/4# Flocele
Production	7 7/8"	4 1/2"	10.5#	5850'	50/50POZ	275	6# gilsonite, 6% gel 32 6% Cal-Seal, 10% Salt .5% D-Air 30

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD X Plug Off Zone	5600'			CIBP Set @ 5600', no cement on top

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	5678'-5700'	50,000# 20/40 Brown Sd, 14,532g 75% Qgel wtr.	5678'-5700'
4	4698'-4712'	500 gals 15% HCL	4698'-4712'

TUBING RECORD Size 2 3/8" Set At 4762' Packer At

Liner Run ☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr. 4-15-05

Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	46	0	76	N/A	39.84

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify)

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER: 3546495	TICKET DATE: 02/12/05		
REGION: Central Operations	NWA / COUNTRY: Mid Contitnent/USA	BDA / STATE: MC/Ks	COUNTY: CLARK
MBU ID / EMPL #: MCIL 0110 / 198516	H.E.S EMPLOYEE NAME: JASON CLEMENS	PSL DEPARTMENT: Cement	ORIGINAL
LOCATION: LIBERAL	COMPANY: EOG RESOURCES	CUSTOMER REP / PHONE: GARY BROCK	1-580-651-0084
TICKET AMOUNT: $10,582.79	WELL TYPE: 01 Oil	API/UWI #:	
WELL LOCATION: ENGLEWOOD	DEPARTMENT: ZI	SAP BOMB NUMBER: 7521	Cement Surface Casing
LEASE NAME: GARDINER	Well No.: 11#1	SEC / TWP / RNG:	HES FACILITY (CLOSEST TO WELL SITE): LIBERAL, KS

CONFIDENTIAL — KCC — MAR 30 2005 — CONFIDENTIAL

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Clemens, A 198516	5.0			
Wiltshire,M 198811	5.0			
Tatro, S 318951	4.0			

H.E.S. UNIT #'S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547690	130			
10251403	130			
10010752-10011276	65			

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
	2/12/2005	2/12/2005	2/12/2005	2/12/2005
Time	0500	0900	1215	1300

Type and Size	Qty	Make
Float Collar		H
Float Shoe		O
Centralizers		W
Top Plug	1	C
HEAD	1	H O
Limit clamp		O
Weld-A		W
Guide Shoe		C
BTM PLUG		O

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	NEW	24#	8 5/8"	0	820	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			12 1/4			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
2/12	3.0	2/12	1.0
	3.0		1.0

Cement Surface Casing

Ordered _____ Avail. _____ Used _____
Treating _____ Disp. _____ Overall _____
Feet 45 Reason SHOE JOINT

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	285	MIDCON PP		3% CC - 1/4# FLOCELE - .1% FWCA	18.04	2.93	11.40
2	125	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Circulating _____ Displacement _____
Breakdown _____ MAXIMUM _____
Lost Returns-\ _____ Lost Returns-I _____
Cmt Rtn#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 _____
Calc. TOC: _____ Actual Disp. 49
Treatment: Gal - BBl _____ Disp:Bbl _____
Cement Slurry BBl 137.0
Total Volume BBl 186.00

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

RECEIVED
JUN 24 2005
KCC WICHITA

CONFIDENTIAL

KCC
MAR 3 0 2005
CONFIDENTIAL

ORIGINAL

HALLIBURTON JOB LOG

TICKET # 3546495	TICKET DATE 02/12/05		
REGION Central Operations	NWA / COUNTRY Mid Contitnent/USA	BDA / STATE MC/Ks	COUNTY CLARK
MBU ID / EMPL # MCIL 0110 / 198516	H.E.S EMPLOYEE NAME JASON CLEMENS	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY EOG RESOURCES	CUSTOMER REP / PHONE GARY BROCK	1-580-651-0084
TICKET AMOUNT $10,582.79	WELL TYPE 01 Oil	API/UWI #	
WELL LOCATION ENGLEWOOD	DEPARTMENT ZI	JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME GARDINER / Well No. 11#1	SEC / TWP / RNG	HES FACILITY (CLOSEST TO WELL S 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
Clemens, A 198516	5						
Wiltshire,M 195811	5						
Tatro, S 318951	4						

	0500						CALLED FOR JOB
	0830						ARRIVE ON LOCATION
	0845						PRE-JOB SAFTEY MEETING
	0900						SPOT EQUIPTMENT
	1000						START CASING
	1130						CASING ON BOTTOM, CIRCULATE W/ RIG
	1215				1500		PRESSURE TEST
	1217	6.0	0-107		100		START LEAD 205 SKS (MIDCON C) MIXED @ 11.4#
	1235	6.0	0-30		130		START TAIL 125 SKS (PREM PLUS) MIXED @ 14.8#
	1241	6.0	137.0				END CEMENT /// DROP PLUG
	1242	4.0	0-49		25		START DISPLACEMENT
	1246	6.0	15.0		100		CAUGHT CEMENT
	1251	2.0	39.0		200		SLOW RATE
	1256	2.0	49.0		500		LAND PLUG /// FLOAT HELD
	1300						END JOB
					250		PRESSURE BEFORE LANDING PLUG
							CIRCULATED CEMENT

RECEIVED
JUN 2 4 2005
KCC WICHITA

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER: 3563772	TICKET DATE: 02/22/05		
REGION: Central Operations	NWA / COUNTRY: Mid Contitnent/USA	BDA / STATE: MC/Ks	COUNTY: CLARK
MBU ID / EMPL #: MCLI0101 106036	H.E.S EMPLOYEE NAME: Bob Smith	PSL DEPARTMENT: Cement	ORIGINAL
LOCATION: LIBERAL CONFIDENTIAL	COMPANY: EOG RESOURCES KCC MAR 30 2005	CUSTOMER REP / PHONE: GARY BROCK	1-580-651-0084
TICKET AMOUNT: $11,146.49 CONFIDENTIAL	WELL TYPE: 02 Gas	API/UWI #:	
WELL LOCATION: englewood ks	DEPARTMENT: Cement CONFIDENTIAL	SAP BOMB NUMBER: 7523	Cement Production Casing
LEASE NAME: GARDINER	Well No.: 11#1	SEC / TWP / RNG:	HES FACILITY (CLOSEST TO WELL SITE): Liberal Ks

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Smith, B 106036	13.5			
Mclane, D 106322	13.5			
Williom milbourn 321935	7.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547695	130			
10251401	130			
10010708/10011590	65			

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
	2/22/2005	2/22/2005	2/22/2005	2/22/2005
Time	0330	0630	1230	1400

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	new	10.5	4 1/2	0	5,849	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			7 7/8			Shots/Ft.
Perforations						
Perforations						
Perforations						

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
2/22	13.5
Total	13.5

Operating Hours

Date	Hours
2/22	1.5
Total	1.5

Description of Job

Cement Production Casing

Hydraulic Horsepower

Ordered _____ Avail. _____ Used _____

Average Rates in BPM

Treating _____ Disp. _____ Overall _____

Cement Left in Pipe

Feet 45 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	275	50/50 POZ PP		6# GILSONITE, 0.6% HALAD-322, 6% CAL-SEAL, 10% SALT, 0.5% D-AIR 30	7.31	1.63	13.50
2							
3							
4							

Summary

Circulating _____ Displacement _____ Preflush: BBI 12.00 Type: mud flush
Breakdown _____ MAXIMUM _____ Load & Bkdn: Gal - BBI _____ Pad:Bbl -Gal _____
Lost Returns-\ _____ Lost Returns-N _____ Excess /Return BBI _____ Calc.Disp Bbl 92.3
Cmt Rtrn#Bbl _____ Actual TOC _____ Calc. TOC: 4,300 Actual Disp. 92
Average _____ Frac. Gradient _____ Treatment: Gal - BBI _____ Disp:Bbl _____
Shut In: Instant _____ 5 Min. _____ 15 Min _____ Cement Slurry BBI 80.0
Total Volume BBI 184.30

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

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE _____ SIGNATURE

RECEIVED
JUN 2 4 2005
KCC WICHITA

KCC
MAR 3 0 2005
CONFIDENTIAL

007802

CONFIDENTIAL

ORIGINAL

HALLIBURTON JOB LOG

		TICKET # 3563772	TICKET DATE 02/22/05
REGION Central Operations	NWA / COUNTRY Mid Contitnent/USA	BDA / STATE MC/Ks	COUNTY CLARK
MBU ID / EMPL # MCLI0101 106036	H.E.S EMPLOYEE NAME Bob Smith	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY EOG RESOURCES	CUSTOMER REP / PHONE GARY BROCK 1-580-651-0084	
TICKET AMOUNT $11,146.49	WELL TYPE 02 Gas	API/UWI #	
WELL LOCATION englewood ks	DEPARTMENT Cement	JOB PURPOSE CODE Cement Production Casing	
LEASE NAME GARDINER / Well No. 11#1	SEC / TWP / RNG	HES FACILITY (CLOSEST TO WELL S 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
Smith, B 106036	14						
Mclane, D 106322	14						
Williom milbourn 321935	7						

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate N2	Press.(PSI) CSG.	Press.(PSI) Tbg	Job Description / Remarks
	0330						called for job
	0430						hold pretrip safety meeting
	0630						arrived on location hold safety meeting
	0635						spot equipment on location and rig up
	0635						rig pulling pipe out of hole
	0700						rig out of hole with drill pipe. Rig up casing crew
	0730						start in the hole with casing
	0800						bulk truck on location hold safety meeting and rig up
	1100						casing on bottom hook up plug container and circulate
	1115						well circulating. rig down casing crew
	1200						hold safety meeting with location personal
	1225						rig up to the plug container
	1233						start job
	1234					3500	pressure test lines
	1235	6.0	0/3		250		pump water spacer
	1236	6.0	0/12		250		mix and pump mud flush
	1238	6.0	0/3		250		pump water spacer
	1238	6.0	0/80		350		mix and pump LC @ 13.5 ppg (50/50 poz pp)
	1255						shut down and wash pumps and lines
	1258						drop plug
	1259	2.0	0		50		start mixing and pumping displacement
							8 ga. Cla-fix 2—4 ga. Clay sta— 4ga. Losurf-300
	1334	2.0			50		displacement caught cement
	1351		92.3				bump plug
	1351						release pressure plug held
	1352						end job
							hold safety meeting and rig down equipment
							thank you for calling Halliburton
							Bob Smith and crew

RECEIVED
JUN 2 4 2005
KCC WICHITA