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JUL 18 2005

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

KCC WICHITA WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5278 **CONFIDENTIAL**
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: Data Tatum
Phone: (405) 246-3244
Contractor: Name: Abercrombie **KCC**
License: 30684 **JUL 07 2005**

Wellsite Geologist: _____
Designate Type of Completion: **CONFIDENTIAL**
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

4-11-05 4-21-05 6-6-05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 025-21286-0000
County: Clark
C.S.W.S.W. Sec. 14 Twp. 34 S. R. 24 East West
660 feet from S N (circle one) Line of Section
660 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 14 Well #: 1
Field Name: Wildcat
Producing Formation: Chester - Arbuckle
Elevation: Ground: 1925' Kelly Bushing: 1936'
Total Depth: 5900' Plug Back Total Depth: 5794'
Amount of Surface Pipe Set and Cemented at 819' 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 ALT IWH
(Data must be collected from the Reserve Pit) 7-17-04
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: Data Tatum
Title: Sr. Reg. Administrator Date: 7-7-05
Subscribed and sworn to before me this 7TH day of JULY
20 05
Notary Public: Heather Nealon
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
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 WJC Distribution

Operator Name: EOG Resources, Inc. Lease Name: Gardiner 14 Well #: 1
 Sec. 14 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)

Name	Top	Datum
Bader Lime	2815'	879'
Neva Lime	2925'	989'
Wabanssee	3025'	1089'
U. Topeka	3290'	1354'
Hebner	3810'	1874'
Toronto	3850'	1914'
Douglas	3885'	1949'
Des Moines	4910'	2974'
Nov. Kelly Sd.	5460'	3524'
	5645'	3709'

List All E. Logs Run:
 Spectral Density Dual Spaced Neutron,
 Microlog, Spectral Density Dual Spaced
 Neutron w/microlog, High Resolution
 Induction Log, Mud Log

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 #	819'	Midcon PP	210	3% CC - 1/4" Floccle 1% FWCA
					PP	130	2% CC 1/4" Floccle
Production	7 7/8	4 1/2	10.5 #	5896'	50/50 POZ PP	260	6% Gilsonite, 4% Halad-322, 6% Cal Seal, 10% Salt

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				

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

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	5703' - 5722'	56,000 # 20/40 Sand, 588 gals 15% HCL, 14,000 gals 75% CO2 foam	5703' - 5722'
4	5459' - 5483'	5000 # 20/40 Sand, 16,968 gals 15% NEFE HCL Acid, 35,828 gals 2% KCL water	5459' - 5483'

TUBING RECORD Size 2 3/8 Set At 5437' Packer At _____ Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. 6-10-05 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 3 Bbbls. Gas 331 Mcf Water 37 Bbbls. Gas-Oil Ratio 110,333 Gravity .7033

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

HALLIBURTON JOB SUMMARY

REGION Central Operations		MNA / COUNTRY Mid Contintn/USA		SALES ORDER NUMBER 3652140		TICKET DATE 04/11/05	
MBU ID / EMPL # MCL0101 106036		H.E.S. EMPLOYEE NAME Bob Smith		BDA / STATE MC/Ks		COUNTY CLARK	
LOCATION LIBERAL CONFIDENTIAL		COMPANY EOG RESOURCES KCC		PSL DEPARTMENT Cement		ORIGINAL	
TICKET AMOUNT \$11,285.97		WELL TYPE 01 Oil		CUSTOMER REP / PHONE GARY BROCK 1-580-651-0067			
WELL LOCATION ENGLEWOOD KS		DEPARTMENT Cement		SAP BOMB NUMBER 7521		Cement Surface Casing	
LEASE NAME GARDINER		Well No. 14#1		SEC / TWP / RNG 14 - 34S - 24W CONFIDENTIAL		HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Smith, B 106036	5.0			
Martin, J 317927	5.0			
Arnett, J 226567	5.0			
Lopez, C 321975	5.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547695	130			
10251401	130			
10243558/10011276	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
	4/11/2005	4/11/2005	4/11/2005	4/12/2005
Time	1400	1600	2100	2200

Tools and Accessories

Type and Size	Qty	Make
Float Collar		Howco
Float Shoe		Howco
Centralizers		Howco
Top Plug 8 5/8	1	Howco
HEAD 8 5/8	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		24#	8 5/8"		0	819	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole				12 1/4			Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
Disp. Fluid		
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		

Hours On Location

Date	Hours	Date	Hours
4/11	5.0	4/11	1.0
Total	5.0	Total	1.0

Description of Job
 Cement Surface Casing
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 KCC WICHITA

Ordered _____ Hydraulic Horsepower _____ Used _____
 Treating _____ Average Rates in BPM _____ Overall - _____
 Feet 44 Cement Left in Pipe _____ Reason _____ SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq	Yield	Lbs/Gal
1	210	MIDCON PP		3% CC - 1/4# FLOCELE - .1% FWCA	18.04	2.93	11.40
2	130	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Summary

Circulating Breakdown	Displacement	Preflush: BBI	Type:
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
Cmt Rtrn#Bbl	Actual TOC	Excess /Return BBI	Calc. Disp Bbl
Average	Frac. Gradient	Calc. TOC:	Actual Disp.
Shut In: Instant	5 Min. 15 Min.	Treatment: Gal - BBI	Disp: Bbl
		Cement Slurry BBI	109.6 LC
		Total Volume BBI	189.90

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____

 SIGNATURE

CONFIDENTIAL

KCC

JUL 07 2005

CONFIDENTIAL

ORIGINAL

HALLIBURTON JOB LOG										TICKET #	TICKET DATE	
REGION Central Operations					NWA / COUNTRY Mid Contintnt/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 1-580-651-0067		
TICKET AMOUNT \$11,285.97					WELL TYPE 01 Oil					API/OVI #		
WELL LOCATION ENGLEWOOD KS					DEPARTMENT Cement					JOB PURPOSE CODE Cement Surface Casing		
LEASE NAME GARDINER			Well No. 14#1		SEC / TWP / RNG 14 - 34S - 24W				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		
Smith, B 106036		5										
Martin, J 317927		5										
Arnett, J 226567		5										
Lopez, C 321975		5										
Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate			Press. (PSI)			Job Description / Remarks		
				N2	CSG	Tdg	N2	CSG	Tdg			
	1400									called for job		
	1430									pre drive safety meeting		
	1600									arrived on location job site assessment		
	1605									spot Halliburton trucks		
	1600									rig pulling drill pipe out of hole		
	1830									drill pipe out of hole rig up casing crew		
	1930									casing going in hole		
	2045									casing on bottom		
	2100									rig up plug container and circulate well		
	2105									rig down casing crew		
	2105									hold pre job safety meeting		
	2110									rig up to the plug container		
	2115									start job		
	2115							2500		pressure test lines kick outs set at 2000 psi		
	2117		109.6					100		start mixing and pumping LC @ 11.4ppg		
	2134		31.0					125		start mixing and pumping TC @ 14.8ppg		
	2146									shut down		
	2147									drop plug		
	2147		0					100		start displacement		
	2155		27.0					200		cement to surface		
	2157		39.0					300		slow rate down		
	2207		49.3					900		bump plug release pressure		
	2207									plug held		
	2208									end job		
THANK YOU FOR CALLING HALLIBURTON BOB SMITH AND CREW												

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HALLIBURTON JOB SUMMARY

REGION Central Operations		INWA / COUNTRY Mid Continent/USA		SALES ORDER NUMBER 3669791		TICKET DATE 04/20/05	
MBU ID / EMPL # MCIL 0110 / 198516		H.E.S. EMPLOYEE NAME JASON CLEMENS		BDA / STATE MC/Ks		COUNTY CLARK	
LOCATION LIBERAL CONFIDENTIAL		COMPANY EOG RESOURCES KCC 30212		PSL DEPARTMENT Cement		ORIGINAL T-580-651-0067	
TICKET AMOUNT \$10,836.78 CONFIDENTIAL		WELL TYPE 01 Oil		CUSTOMER REP / PHONE DANNY RAUH			
WELL LOCATION ENGLEWOOD		DEPARTMENT ZI		SAP BOMB NUMBER 7523		Cement Production Casing	
LEASE NAME GARDINER		Well No. 14#1		SEC / TWP / RNG 14 - 34S - 24W CONFIDENTIAL		HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Clemens, A 198516	12.0			
Berumen, E 267804	12.0			
Chavez, E 3478815	12.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547690	130			
10251403	130			
10243558-10011276	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
	4/20/2005	4/20/2005	4/21/2005	4/21/2005
Time	2000	2300	0956	1058

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	10.5	4 1/2		0	5,896	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8				Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials	Density	Lb/Gal
Mud Type		
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		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
4/20	0.5	4/21	1.0	Cement Production Casing
4/21	10.0			
Total	10.5	Total	1.0	

Ordered _____ Hydraulic Horsepower _____ Used _____
 Treating _____ Average Rates in BPM _____ Overall _____
 Feet **42** Cement Left in Pipe _____ Reason _____ **SHOE JOINT**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	260	50/50 POZ PP		6# GILSONITE, 0.6% HALAD-322, 6% CAL-SEAL, 10% SALT,	7.31	1.63	13.50
2							
3							
4							

Summary		Type: MUDFLUSH	
Circulating Displacement	Preflush: BBI	12.00	
Breakdown MAXIMUM	Load & Bkdn: Gal - BBI		
Lost Returns- Actual TOC	Excess /Return BBI		
Cmt Rtrn#Bbl	Calc. TOC:		
Average Frac. Gradient	Treatment: Gal - BBI		
Shut In: Instant 5 Min. 15 Min.	Cement Slurry BBI	76.0	
	Total Volume BBI	181.00	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____

 SIGNATURE

CONFIDENTIAL

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JUL 07 2005

ORIGINAL

HALLIBURTON JOB LOG		CONFIDENTIAL		TICKET # 3669791	TICKET DATE 04/20/05
REGION Central Operations	NWA / COUNTRY Mid Continent/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	30	CUSTOMER REP / PHONE DANNY RAUH 1-580-651-0067		
TICKET AMOUNT \$10,836.78	WELL TYPE 01 Oil	API/WVI #			
WELL LOCATION ENGLEWOOD	DEPARTMENT ZI	JOB PURPOSE CODE Cement Production Casing			
LEASE NAME GARDINER	Well No. 14#1	SEC / TWP / RNG 14 - 34S - 24W		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	12						
Berumen, E 267804	12						
Chavez, E 3478815	12						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate			Press. (PSI)			Job Description / Remarks
				N2	CSG	Tbg	N2	CSG	Tbg	
	2000									MOVED OVER
	2300									ARRIVE ON LOCATION
	2315									PRE-JOB SAFETY MEETING
	2330									SPOT EQUIPMENT
										START CASING
	0800									CASING ON BOTTOM, CIRCULATE W/ RIG
	0956						2500			PRESSURE TEST
	0958	6.0	0-12				200			START MUDFLUSH
	1001	6.0	0-76				375			START CEMENT 260 SKS (50/50 POZ PP) MIXED @ 13.5#
	1017	6.0	76.0				200			END CEMENT /// DROP PLUG
	1020									WASH LINES
	1033	6.0	0-93				100			START DISPLACEMENT W/ 2% KCL
	1043	6.0	64.0				220			CAUGHT CEMENT
	1047	2.0	0-83				350			SLOW RATE
	1056	2.0	93.0				1200			LAND PLUG /// FLOAT HELD
	1058									END JOB
							700			PRESSURE BEFORE LANDING PLUG

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