

AMENDED

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5278
Name: EOG Resources, Inc.
Address: 3817 NW Expressway, Suite 500
City/State/Zip: Oklahoma City, OK 73112
Purchaser: Duke Energy Field Services
Operator Contact Person: Donald D. Davis
Phone: (405) 246-3130
Contractor: Name: Abercrombie RTD, Inc.
License: 30684
Wellsite Geologist: J. Corry Tinsmen

Designate Type of Completion:
 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. _____

1/15/2005 1/25/2005 3/7/2005
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 025 - 21276 - 00 - 00
County: Clark
C SW SW Sec. 24 Twp. 34 S. R. 24 East West
660 feet from S / (circle one) Line of Section
660 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) SW
Lease Name: Gardiner 24 Well #: 1

Field Name: _____
Producing Formation: Chester
Elevation: Ground: 1907 Kelly Bushing: 1918
Total Depth: 5900 Plug Back Total Depth: 5800
Amount of Surface Pipe Set and Cemented at 795 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 n/a w/ n/a sx cmt.

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: _____
Title: Engineering Mgr. Date: 4/14/2005
Subscribed and sworn to before me this 14th day of April,
2005
Notary Public: Ruth E. Green
Date Commission Expires: 12/28/2005
Commission # 01020691

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: EOG Resources, Inc. Lease Name: Gardiner 24 Well #: 1
 Sec. 24 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:
 Spec. Density w/Micro
 Spectral Density/Neutron
 Hi Res Induction

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Chase	2305	398
Council Grove	2781	874
Wabaunsee	3275	1368
Base of Heebner	4240	2333
Cherokee Shell	5235	3328
Atoka	5397	3490
Morrow	5468	3561

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	795	BB	330	2% CC & 1/4# Floccene
Production	7 7/8	4 1/2	10.5	5898	P0Z	220	10% Salt, 6% Cal-seal, .6% Halad

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 (Amount and Kind of Material Used)		Depth
	2	5484-5500, 5720-30, 5737-42 & 5754-60	24000Gal 15% HCL 46000Gal Slick H2O 6000# 20/40 Sand 60 BioSealers		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	5468		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 3/7/2005			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		742	100	N/A (No Oil)	

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 LOG				TICKET #	TICKET DATE
REGION Central Operations		CANA / COUNTRY Mid Continent/USA		BOA / STATE MC/Ks	COUNTY CLARK
WBU ID / EMPL # MCLI0110 / 217398		H.I.E.S. EMPLOYEE NAME Mickey Cochran		PIL DEPARTMENT Cement	
LOCATION LIBERAL		COMPANY EKG RESOURCES		CUSTOMER REP / PHONE 30 BUDDY LONG 1-580-651-0888	
TICKET AMOUNT \$11,586.51		WELL TYPE 01 Oil		APPROX #	
WELL LOCATION ENGLEWOOD, KS		DEPARTMENT ZI		JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME GARDINER		Well No. 24#1	SEC / TWP / RNG 24 - 34S - 24W	RES FACILITY (CLOSEST TO WELL #) Liberal, Ks	
RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Cochran, M 217398	32				
Buttry, C 317429	32				
Martin, J 317927	19				
Chapman, A 321197	8				
JOB READY					
2100					
1710					PRETRIP SAFETY MEETING
2000					ARRIVE ON LOCATION
2005					PREJOB SAFETY MEETING W/ HALLIBURTON CREW
2010					SPOT EQUIPMENT
2115					RIG UP EQUIPMENT
????					START CASING
1430					CASING ON BOTTOM & CIRCULATE W/ RIG PUMP(S)
1500			2500		PRESSURE TEST PUMPS & LINES
1503	4.0	107.0	70		START LEAD CEMENT 285 SKS @ 11.4#
1532	4.0	29.0	100		START TAIL CEMENT 125 SKS @ 14.2#
1541					SHUT DOWN & DROP PLUG
1542	2.0	0	0		START DISPLACEMENT W/ FRESH H2O
	2.0				DISPLACEMENT CAUGHT CEMENT
1610	2.0	48.0	600		BUMP PLUG
1611					RELEASE — FLOAT HELD
					DID NOT CIRCULATE CEMENT TO PIT
			160		PRESSURE BEFORE PLUG LANDED
					WAIT ON TOP OUT
0045					BULK ON LOCATION
0130	1.5	43.0	400		PUMP TOP OUT
0200					SHUT DOWN
					END JOB
					CIRCULATED CEMENT TO PIT
THANK YOU FOR CALLING HALLIBURTON					
MICKEY & CREW					

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KANSAS CORPORATION COMMISSION

APR 15 2005

CONSERVATION DIVISION
WICHITA, KS

HALLIBURTON JOB SUMMARY

SECTOR Central Operations		MMA / COUNTRY Mid Continent/USA		SALES ORDER NUMBER 3518027	TICKET DATE 01/26/05
MCL / IO104		MCL / IO104		MDA / STATE MO/KS	COUNTY CLARK
LIBERAL		EGG RESOURCES		30212	GARY BROCK
WELL TYPE 02 Gas		DEPARTMENT CEMENT		CUSTOMER REP / PHONE 1-580-651-0084	
WELL LOCATION ENGLEWOOD,KS.		DEPARTMENT CEMENT		SAP BOMB NUMBER 7523	Cement Production Casing
LEASE NAME GARDINER		Well No. 24#1	SEC / TRP / RWS 24 - 34S - 24W	WELL FACILITY (CLOSEST TO WELL SITE) LIBERAL,KS.	

WELL EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Woodrow, J 105848	130	10240238 / 10011278	65	
Olphant, C 243985	130			

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth **5860**

Date	Called Out	On Location	Job Started	Job Completed
	1/26/2005	1/26/2005	1/27/2005	1/28/2005
Time	1400	1800	0010	0045

Type and Size	Qty	Make
Float Collar		H
Float Shoe		
Centralizers		A
Top Plug	HWE 4 1/2	1
HEAD	Q/L 4 1/2	1
Limit clamp		
Weld-A		C
Guide Shoe		
BTM PLUG		O

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		10.8	4 1/2		KB	5,900	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8				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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Date	Hours	Date	Hours	
1/26	8.0	1/27	1.0	Cement Production Casing
1/27	2.0			SEE JOB LOG
	8.0		1.0	

Ordered	Avail.	Used
Feet 44	Reason	SHOE JOINT

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	226	60/60 PP-POZ		6% GILSONITE, 6.6% HALAD-322, 6% CAL-SEAL, 10% SALT, 0.5% D-AIR 36	7.51	1.63	13.60
2							
3							
4							

Circulating Breakdown	Displacement	Preflush:	BEI	Type:	MUDFLUSH
Lost Returns	MAXIMUM	Load & Bkdn:	Gal - BEI	Pad:Bbl -Gal	
Cmt Rtn#Bbl	Actual TOC	Excess /Return	BEI	Calc. Disp Bbl	93
Average	Frac. Gradient	Calc. TOC:		Actual Disp.	93
Shut In: Instant	5 Min.	Treatment:	Gal - BEI	Disp:Bbl	93.00
	15 Min.	Cement Slurry	BEI		
		Total Volume	BEI		166.00

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE _____ RECEIVED _____ SIGNATURE

KANSAS CORPORATION COMMISSION
 APR 15 2005
 CONSERVATION DIVISION
 WICHITA, KS

HALLIBURTON JOB LOG		TICKET # 3518027	TICKET DATE 01/26/05
REGION Central Operations	AREA / COUNTRY Mid Continent/USA	SDA / STATE MC/Ks	COUNTY CLARK
ASU ID / BAPL # MCL / IO104	FILE # EMPLOYEE NAME JOHN WOODROW	PRL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY EOG RESOURCES	CUSTOMER REP / PHONE 30 GARY BROCK	1-580-651-0084
TICKET AMOUNT \$9,901.11	WELL TYPE 02 Gas	ASDUIT #	
WELL LOCATION ENGLEWOOD, KS.	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Production Casing	
LEASE NAME GARDINER	Well No. 24#1	REC / TRF / BBS 24 - 34S - 24W	RES FACILITY (CLOSEST TO WELL #) LIBERAL, KS.

RES EMP NAME/EMP # (EXPOSURE HOURS)	RES EMP NAME/EMP # (EXPOSURE HOURS)	RES EMP NAME/EMP # (EXPOSURE HOURS)	RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Woodrow, J 105848	Martin, J 317927			11
Oliphant, C 243055				

Chart No.	Time	Rate (BPM)	volume (BBLS)	Rate (GAL)	Press. (PSI)		Job Description / Remarks
					CRG.	TRG	
	1800						JOB READY
	1400						CALLED OUT FOR JOB
	1800						PUMP TRUCK & BULK CMT. ON LOCATION
	1815						PRE JOB SITE ASSESMENT / GO OVER JSA
							RIG UP
	1900						START RUNNING 4 1/2 CASING & COMP FLT. EQUI.
	2330						CASING ON BOTTOM (5900 FT.)
	2340						HOOK UP 4 1/2 P/C & CIRCULATING IRON
	2345						START CIRCULATING WITH RIG PUMP
							HOLD PRE JOB SAFETY MEETING
							THROUGH CIRCULATING / HOOK UP TO PUMP
							TRUCK
							(JOB PROCEDURE)
	0010				2500		TEST PUMP & LINES
	0012	6.0	0-10		350		PUMP 10 BBLS. MUD FLUSH SPACER
	0014	7.0	0-83		275		START MIXING 220 SKS CMT. @ 13.5#/GAL
	0026						THROUGH MIXING CMT. / SHUT DOWN
	0027						CLEAN PUMP & LINES / RELEASE PLUG
	0030	6.0			80		START DISPLACING WITH 2% CLAFIX WATER
	0042	3.0	80.0		550-450		HAVE 80 BBLs. OUT / SLOW RATE TO 3 BPM
	0045				600		MAX LIFT PRESSURE BEFORE LANDING PLUG
	0045		93.0		1500		PLUG DOWN / RELEASE FLOAT
							FLOAT HELD
							THANK YOU FOR CALLING HALLIBURTON !!!!!
							(WOODY & CREW)



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CONSERVATION DIVISION
WICHITA, KS