

**WELL COMPLETION FORM**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**  
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Operator: License # 5278  
Name: EOG Resources, Inc.  
Address 3817 NW Expressway, Suite 500  
City/State/Zip Oklahoma City, Oklahoma 73112  
Purchaser: DUKE ENERGY FIELD SERVICES  
Operator Contact Person: DARA TATUM  
Phone ( 405 ) 246-3244  
Contractor: Name: BIG A DRILLING  
License: 31572  
Wellsite Geologist: N/A

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/Reentry: 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. \_\_\_\_\_  
5/27/05 6/3/05 8/10/05  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API NO. 15- 025-21294-0000  
County CLARK  
W2 - E2 - E2 - SE Sec. 16 Twp. 34 S. R. 24  E  W  
1320 Feet from N (circle one) Line of Section  
560 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name GARDINER 16 Well # 1  
Field Name \_\_\_\_\_  
Producing Formation CHESTER  
Elevation: Ground 1938 Kelley Bushing 1950  
Total Depth 5950 Plug Back Total Depth 5790  
Amount of Surface Pipe Set and Cemented at 796 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 WITHIN  
4-23-07  
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. \_\_\_\_\_  E  W  
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 on 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 SENIOR REGULATORY ADMINISTRATOR Date 8-30-05  
Subscribed and sworn to before me this 30<sup>th</sup> day of AUGUST  
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 Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Operator Name EOG RESOURCES, INC Lease Name GARDINER 16 Well # 1

Sec. 16 Twp. 34 S.R. 24  East  West County CLARK

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. 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

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum

SEE ATTACHED SHEET

List All E.Logs Run:

HIGH RESOLUTION INDUCTION LOG, MICROLOG, SPEC.  
 DENSITY DUAL SPACED NEUTRON WITH MICROLOG

CASING RECORD <input 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	796	MIDCON PP	210	3%FLOC, 1%FWCA
					PP	130	2%CC, 1/4 FLOC
PRODUCTION	7 7/8	4 1/2	10.5	5948	50/50POZ PP	160	6#GIL, 6%HAL

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				

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	5830-5848, CIBP @ 5800 W/ 10' CMT	520,000#SD, 500G.15% NEFE HCL,	5830-5848
		51,200G 75% Q CO2 FOAM	
4	5510-5520, 5553-5562	4970#SD, 18,060G 15% GEL NEFE HCL	5510-5562
		36,540G 2% KCL WTR	

TUBING RECORD	Size 2 3/8	Set At 5874	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
8/10/05	<input type="checkbox"/> Flowing <input checked="" 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	21	0	N/A .7103

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perforation  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

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1002 A		
Well Name : <b>Gardiner 16 #1</b>		
FORMATION	TOP	DATUM
Chase	2320'	370
Council Grove	2810'	860
Wabaunsee	3340'	1390
Base Heebner	4265'	2315
Lansing	4450'	2500
Stark	4965'	3015
Marmaton	5085'	3135
Altamont	5130'	3180
Pawnee	5200'	3250
Cherokee Shale	5260'	3310
Atoka	5435'	3485

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# HALLIBURTON JOB LOG

REGION <b>NORTH AMERICA LAND</b>		NWA / COUNTRY <b>Central / USA</b>		TICKET # <b>3735433</b>	TICKET DATE <b>05/28/05</b>
MCL ID / EMPL # <b>MCL/O104</b>		H.E.S. EMPLOYEE NAME <b>CHESTER OLIPHANT</b>		BDA / STATE <b>MC / KS</b>	COUNTY <b>CLARK</b>
LOCATION <b>LIBERAL</b>		COMPANY <b>EOG RESOURCES</b>		PBL DEPARTMENT <b>ZI / CEMENT</b>	
TICKET ACCOUNT <b>\$11,793.93</b>		WELL TYPE <b>OIL</b>		30212 <b>GARY BROCK</b>	CUSTOMER REP / PHONE <b>1-580-651-4691</b>
WELL LOCATION <b>ENGLEWOOD KS</b>		DEPARTMENT <b>CEMENT</b>		JOB PURPOSE CODE <b>Cement Surface Casing</b>	
LEASE NAME <b>GARDINER</b>		Well No. <b>16#1</b>	SEC / TWP / R14 <b>16 - 34S - 24W</b>	RES FACILITY (CLOSEST TO WELL) <b>LIBERAL</b>	

HR	ES DMP NAME/EMP # (EXPOSURE HOURS)	HR	ES DMP NAME/EMP # (EXPOSURE HOURS)	HR	ES DMP NAME/EMP # (EXPOSURE HOURS)	HR	ES DMP NAME/EMP # (EXPOSURE HOURS)
	OLIPHANT C 243055		ALBRIGHT J 325347				
	ARCHULETA M 226381		FLANNERY B 340706				

DATE	TIME	HR	ES DMP NAME/EMP # (EXPOSURE HOURS)	HR	ES DMP NAME/EMP # (EXPOSURE HOURS)	HR	ES DMP NAME/EMP # (EXPOSURE HOURS)
5/28/05	0000						JOB READY
5/27/05	2000						CALLED FOR JOB
5/28/05	0200						PUMP TRUCK ON LOCATION
	0205						FILL OUT AND REVIEW JSA
	0220						SPOT EQUIPMENT / RIG UP
	0300						START RIH W/ 8 5/8 CSG AND FLOAT EQUIPT.
	0445						CASING ON BOTTOM @ 786 FT
	0450						HOOK UP 8 5/8 PLUG CONTAINER AND LINES TO RIG
	0452						START CIRCULATING WITH RIG PUMP
	0500						HOLD PRE JOB SAFETY MEETING
	0501						HOOK UP LINES TO PUMP TRUCK
	0505						JOB PROCEDURE
	0508	6.0	0-109		180		PRESSURE TEST PUMP AND LINES
	0524	6.0	0-31		180		START MIXING 210 SX LEAD CMT @ 11.4 PPG
	0531		31.0		0		START MIXING 130 SX TAIL CMT @ 14.8 PPG
	0532	6.0	0-48		30		FINISHED MIXING CMT / SHUT DOWN / DROP PLUG
	0535	6.0	15.0		125		START DISPLACING WITH FRESH WATER
	0540	2.0	30.0		235		DISPLACEMENT REACHED CEMENT
	0548	2.0	48.0		285		HAVE 39 BBL GONE SLOW RATE TO 2 BPM FOR STAGING
	0548	0	48.0		775		FINAL LIFT PRESSURE BEFORE LANDING PLUG
	0550				0		PLUG DOWN / PRESSURE UP TO TEST CASING AND FLOAT
							RELEASE PRESSURE / FLOAT HELD
							CIRCULATED CEMENT TO SURFACE
							RIG DOWN EQUIPMENT



THANK YOU FOR CALLING HALLIBURTON  
CHESTER AND CREW

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<b>HALLIBURTON JOB SUMMARY</b>		SALES ORDER NUMBER <b>3750601</b>	TICKET DATE <b>06/02/05</b>
REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Continent/USA</b>	BDA / STATE <b>MC/Ks</b>	COUNTY <b>CLARK</b>
MRU ID / EMP # <b>MCLIO103 106304</b>	HES EMPLOYEE NAME <b>TYCE DAVIS</b>	PSL DEPARTMENT <b>Cement</b>	CUSTOMER REP / PHONE <b>DALE PASSIG 1-580-651-4691</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>EOG RESOURCES</b>	WELL TYPE <b>02 Gas</b>	APVAM #
TICKET AMOUNT <b>\$9,140.86</b>	DEPARTMENT <b>CEMENT</b>	SAP BOMB NUMBER <b>7523</b>	(Cement Production Casing)
WELL LOCATION <b>LAND SW ASHLAND KS</b>	SEC / TWP / RNG <b>16 - 34S - 24W</b>	HES FACILITY (CLOSEST TO WELL SITE) <b>Liberal Ks.</b>	
LEASE NAME <b>GARDINER</b>	Well No. <b>16#1</b>		

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Davis, T 106304	8.0			
Mcintyre, B 106099	8.0			
Archuleta, M 226383	8.0			
Beruman, E 267804	8.0			

HES UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10011407-10010921	130			
10240236-10240245	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
	6/2/2005	6/2/2005	6/2/2005	6/2/2005
Time	1200	1600	2300	2330

Type and Size	Qty	Make
Float Collar SSII	1	HOWCO
Float Shoe SSII	1	HOWCO
Centralizers FM	13	HOWCO
Top Plug HWE	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp	1	HOWCO
Weld-A	1	HOWCO
Guide Shoe		
BTM PLUG		

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	10.5	4 1/2		0	(5,948)	
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 \_\_\_\_\_ In  
 Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

Date	Hours	Date	Hours	Cement Production Casing
6/2				

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

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	160	60/50 POZ PP		6# GILSONITE, 0.6% HALAD-322, 6% CAL-SEAL, 10% SALT,	7.31	1.63	13.50
2							
3							
4							

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: BBI 12.00 Type: MUDFLUSH  
 Breakdown \_\_\_\_\_ MAXIMUM \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: Bbl - Gal \_\_\_\_\_  
 Lost Returns- \_\_\_\_\_ Lost Returns- \_\_\_\_\_ Excess /Return BBI \_\_\_\_\_ Calc. Disp Bbl \_\_\_\_\_  
 Cmt Rtn#Bbl \_\_\_\_\_ Actual TOC \_\_\_\_\_ Calc. TOC: \_\_\_\_\_ Actual Disp. \_\_\_\_\_ 94  
 Average \_\_\_\_\_ Frac. Gradient \_\_\_\_\_ Treatment: Gal - BBI \_\_\_\_\_ Disp: Bbl \_\_\_\_\_  
 Shut in: Instant \_\_\_\_\_ 5 Min. \_\_\_\_\_ 15 Min. \_\_\_\_\_ Cement Slurrv BBI 48.0  
 Total Volume BBI 152.00

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_ *Dale Passig* RECEIVED  
 SIGNATURE

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HALLIBURTON JOB LOG					TICKET #	TICKET DATE
REGION Central Operations					BDA / STATE MC/Ks	COUNTY CLARK
MNU ID / EMPL # MCLIO103 106304		MNA / COUNTRY Mid Continent/USA			PSL DEPARTMENT Cement	
LOCATION LIBERAL		H.E.B. EMPLOYEE NAME TYCE DAVIS			CUSTOMER REP / PHONE DALE PASSIG 1-580-651-4691	
TICKET AMOUNT \$9,140.86		COMPANY EOG RESOURCES			AP/OW#	
WELL LOCATION LAND SW ASHLAND KS		WELL TYPE 02 Gas			JOB PURPOSE CODE Cement Production Casing	
LEAD NAME GARDINER		DEPARTMENT CEMENT			RES FACILITY (CLOSEST TO WELL S) Liberal Ks.	
Work No. 16#1		SEC / TRIP / RIG 16 - 34S - 24W				
HRS EMP NAME/EMP # (EXPOSURE HOURS)		HRS EMP NAME/EMP # (EXPOSURE HOURS)		HRS EMP NAME/EMP # (EXPOSURE HOURS)		HRS
Davis, T 106304						
McIntyre, B 106099						
Archuleta, M 226383						
Beruman, E 287804						
1200						CALLED OUT FOR JOB
1600						ON LOCATION RIG RIGGING UP CASERS
1655						START CASING AND FE
2104						CASING ON BOTTOM HOOK UP PC AND CIRC LINES
2107						BREAK CIRC W/RIG
2110						CIRC TO PIT
2245						THRU CIRC HOOK LINES TO PT
2252			4000			PSI TEST LINES
2254	6.5	12.0	450			PUMP MUD FLUSH
2257	7.0	46.5	450			PUMP 180SX PREM PLUS 50/50 POZ @ 13.5#
2305						SHUT DOWN DROP PLUG AND WASH UP
2308	7.0	94.0	100			PUMP DISPLACEMENT
2319	6.0	94.0	100-300			70 BBLs IN LIFT CEMENT
2322	2.0	94.0	500			84 BBLs IN SLOW RATE
2326	2.0	94.0	600-1100			LAND PLUG
2328			1100-0			RELEASE FLOAT — HELD
2330						JOB OVER

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Gardiner 16 #1 Sales Mtr. DEFS Gardiner 16 #1 Oil Tank Gardiner 16 #1 Water Tank

Table with columns: Date, Hrs On, Gas, Oil, Wtr, Tbg, Csg, D, T, Hr, Stat, Diff, Meter n/a, Stat, Diff, Oil Ft, In, Q, Wtr, Ft, In, Q, Top, Bottom, Oil Ft, In, Q, Wtr, Ft, In, Q, Top, Bottom. Includes a 'Total' row at the bottom.

Tank End: 0.00 0.00 176.67

Completion Summary

Summary table with columns: Oil (bbl), Water (bbl). Rows: Beginning Stock, Gross Production, Gross Runs, End Stock.

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