KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form must be Typed

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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:

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Designate Type of Completion

X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
X 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. ___

6/15/05	6/24/05	7/12/05
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API NO. 15- 025-21296-00-00
County CLARK
- C - W2 - NE Sec. 15 Twp. 34 S. R. 24 ☐ E ☒ W
1320 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 Well # 15 #2
Field Name WILDCAT
Producing Formation CHESTER
Elevation: Ground 1932 Kelley Bushing 1944
Total Depth 5904 Plug Back Total Depth 5851
Amount of Surface Pipe Set and Cemented at 789 Feet
Multiple Stage Cementing Collar Used? ___ Yes X 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 12-12-07
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 10/3/05

Subscribed and sworn to before me this 3RD day of SEPTEMBER 20 05.
Notary Public Heather Nealson
Date Commission Expires 4-26-08

NOTARY PUBLIC SEAL
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**

Side Two

Operator Name EOG RESOURCES, INC. Lease Name GARDINER Well # 15 #2

Sec. 15 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

List All E.Logs Run:

SPECTRAL DENSITY DUALSPACED NEUTRON LOG, HIGH RESOLUTION INDUCTION LOG, MICROLOG, MUDLOG

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

Name	Top	Datum
SEE ATTACHED SHEET		

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	789	MDCN PP&PP	210/130	SEE CMT TIX
PRODUCTION	7 7/8	4 1/2	10.5	5904	50/50POZ PP	300	SEE CMT TIX

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 Sqeeze Record (Amount and Kind of Material Used)	Depth
4	5455-5470	4700# 20/40 SD., 17892g. 15% GEL	5545-5470
		NE FE HCL ACID, 36162g. TREATED 2%	
		KCL WTR.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5422	N/A	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
8/10/05	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3	1527	37	509000	.6505

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ 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 : **Gardiner 15 #2**		
FORMATION	**TOP**	**DATUM**
Chase	2320	376
Council Grove	2715	771
Wabansee	3295	1351
Shawnee	3800	1856
B. Hebner	4200	2256
Lansing	4415	2471
Stark	4925	2981
Cherokee	5200	3256
Chester	5820	3876
St. Genevieve	5780	3836

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OPERATOR: EOG RESOURCES, INC.
LEASE: GARDINER
WELL NO.: 15-2
DATE: 09/19/05

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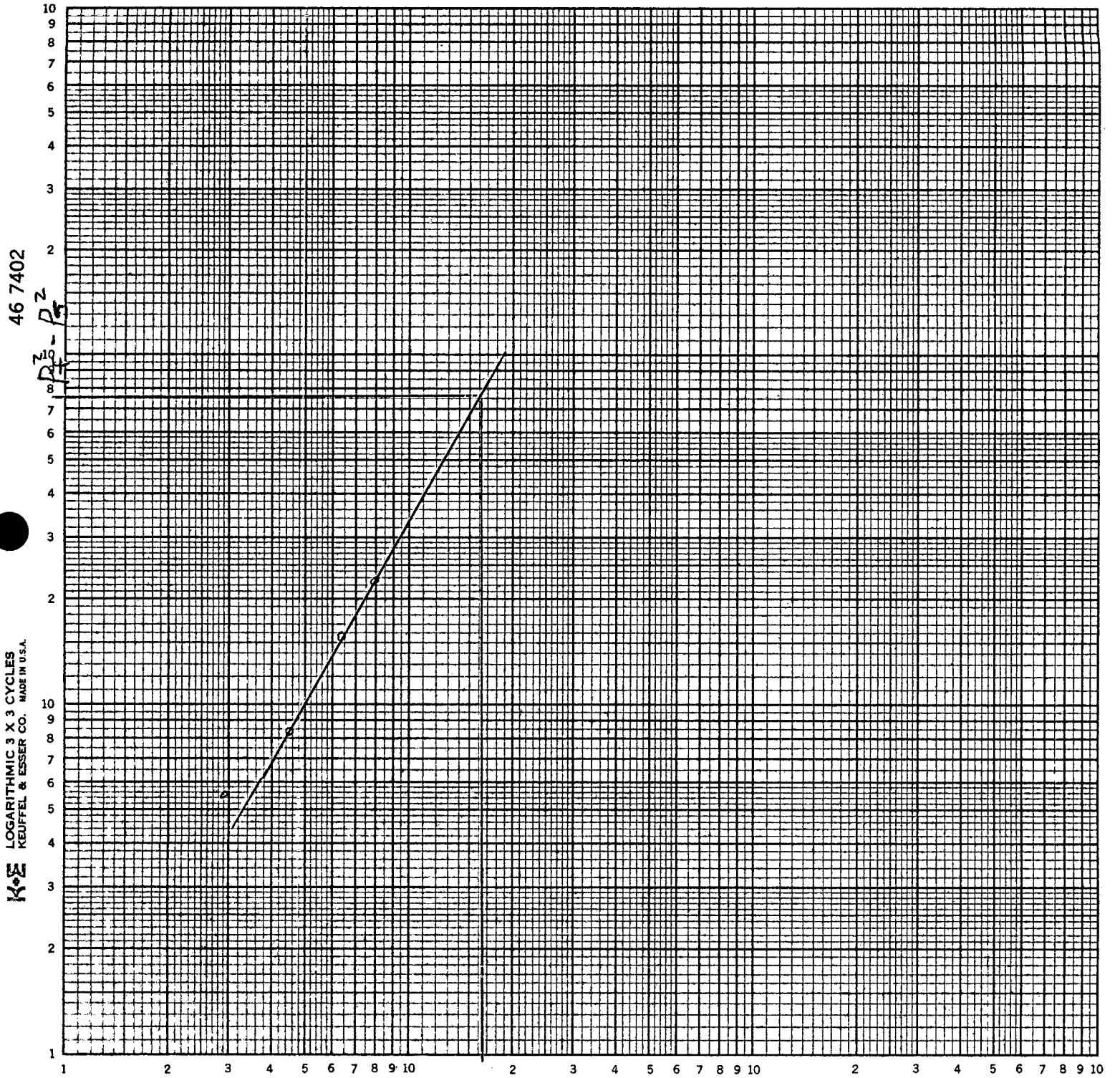

AOF = 1,620 MCF/D
C = 60.0
n = .578

HALLIBURTON JOB SUMMARY

REGION: NORTH AMERICA LAND	NWA / COUNTRY: Central / USA	SALES ORDER NUMBER: 3774381	TICKET DATE: 06/16/05
MBU ID / EMPL #: MCL/IO104	H.E.S. EMPLOYEE NAME: CHESTER OLIPHANT	BDA / STATE: MC / KS	COUNTY: CLARK
LOCATION: LIBERAL	COMPANY: EOG RESOURCES	PSL DEPARTMENT: ZI / CEMENT	
TICKET AMOUNT: $11,300.24	WELL TYPE: OIL	CUSTOMER REP / PHONE: DALE PASSIG	1-580-651-4691
WELL LOCATION: ENGLEWOOD KS	DEPARTMENT: CEMENT	API/UWI #:	
LEASE NAME: GARDINER 2439898	Well No.: 15#2 / SEC / TWP / RNG: 35 - 5N - 19 ECM	SAP BOMB NUMBER: 7521	Description: Cement Surface Casing
		HES FACILITY (CLOSEST TO WELL SITE): LIBERAL	

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
OLIPHANT C 243055	6.0	ALBRIGHT J 325347	6.0				
BEASLEY J 299920	6.0						

H.E.S. UNIT #'S / (R / T MILES)	R / T MILES		R / T MILES		R / T MILES		R / T MILES
420474	130	10244148-10011278	55				
10589601	130						

Form. Name ____ Type: ____
Form. Thickness ____ From ____ To ____
Packer Type ____ Set At ____
Bottom Hole Temp. ____ Pressure ____
Retainer Depth ____ Total Depth 800 FT

Date	Called Out	On Location	Job Started	Job Completed
	6/16/2005	6/16/2005	6/16/2005	6/16/2005
Time	0400	0800	1150	1245

Type and Size		Qty	Make
Float Collar	SS II	1	H
Float Shoe			
Centralizers	S - 4	2	O
Top Plug	HWE	1	
HEAD	QL	1	W
Limit clamp		1	
Weld-A			C
Guide Shoe	TEXAS	1	
BASKET	STEEL	1	O

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	New/Used	24#	8 5/8"	KB	789	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			12 1/4			
Perforations						Shots/Ft.
Perforations						
Perforations						

Mud Type ____ Density SPUD 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
6/16	6.0	6/16	1.0
	6.0		1.0

Cement Surface Casing

SEE JOB PROCEDURE

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Ordered ____ Avail. ____ Used ____
Treating ____ Disp. ____ Overall ____
Feet 43 Reason SHOE JOINT

Stage	Sacks	Cement	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						

Circulating ____ Displacement ____
Breakdown ____ MAXIMUM ____
Lost Returns-YES ____ Lost Returns-NO ____
Cmt Rtrns#Bbl ____ Actual TOC ____
Average ____ Frac. Gradient ____
Shut In: Instant ____ 5 Min. ____ 15 Min. ____

Preflush: BBl ____
Load & Bkdn: Gal - BBl ____
Excess /Return BBl ____
Calc. TOC: 0
Treatment: Gal - BBl ____
Cement Slurry: BBl 141.0
Total Volume BBl 189

Type: ____
Pad:Bbl -Gal ____
Calc.Disp Bbl 47.5
Actual Disp. 49
Disp:Bbl 48.00

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE ____ SIGNATURE

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HALLIBURTON JOB LOG

REGION: NORTH AMERICA LAND	NMA / COUNTRY: Central / USA	TICKET #: 3774381	TICKET DATE: 06/16/05
MBU ID / EMPL #: MCL/IO104	H.E.S. EMPLOYEE NAME: CHESTER OLIPHANT	BDA / STATE: MC / KS	COUNTY: CLARK
LOCATION: LIBERAL	COMPANY: EOG RESOURCES 30212	PSL DEPARTMENT: ZI / CEMENT	
TICKET AMOUNT: $11,300.24	WELL TYPE: OIL	CUSTOMER REP / PHONE: DALE PASSIG 1-580-651-4691	
WELL LOCATION: ENGLEWOOD KS	DEPARTMENT: CEMENT	API/UWI #:	
LEASE NAME: GARDINER Well No. 15#2	SEC / TWP / RNG: 35 - 5N - 19 ECM	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
OLIPHANT C 243055	6	ALBRIGHT J 325347	6				
BEASLEY J 299920	6						

6/16/05	0800						JOB READY
	0400						CALLED FOR JOB
	0800						PUMP TRUCK ON LOCATION
	0815						FILL OUT AND REVIEW J&A
	0830						SPOT EQUIPTMENT / RIG UP
	0930						RIG START RIH W/ 8 5/8 CSG & FLOAT EQUIPT.
	1115						CASING ON BOTTOM @ 789 FT
	1120						RIG UP 8 5/8 PLUG CONT AND LINES TO MUD PUMP
	1125						START CIRCULATING TO CONDITION HOLE
							WAIT FOR CASERS TO RIG DOWN
	1140						HOLD PRE JOB SAFETY MEETING
	1145						HOOK UP LINES TO PUMP TRUCK
							[redacted]
	1150				1500		PRESSURE TEST PUMP & LINES
	1154	6.0	0-110		125		BEGIN MIXING 210 SX LEAD CMT @ 11.4 PPG
	1211	6.0	0-31		100		BEGIN MIXING 130 SX TAIL CMT @ 14.8 PPG
	1217	0	31.0		0		FINISHED MIXING CMT / SHUT DOWN / DROP PLUG
	1218	6.0	0-48		30		START DISPLACING W/ FRESH WATER
	1223	6.0	20.0		125		DISPLACEMENT REACHED CMT
	1224	2.0	23.0		50		SLOW RATE FOR LAST 25 BBL TO LAND PLUG
	1237	2.0	48.0		250-850		PLUG DOWN / PRESSURE UP TO TEST FLOAT
	1238				0		RELEASE PRESSURE / FLOAT HELD
					250		FINAL LIFT PRESSURE BEFORE PLUG DOWN
							CIRCULATED CMT TO PIT
							THANK YOU FOR CALLING HALLIBURTON
							CHESTER AND CREW

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HALLIBURTON JOB SUMMARY

REGION: NORTH AMERICA LAND	NAA / COUNTRY: Central / USA	SALES ORDER NUMBER: 3787900	TICKET DATE: 06/23/05
BDA / STATE: MC / KS	COUNTY: CLARK	MBU ID / EMPL #: MCLI0104 317429	H.E.S. EMPLOYEE NAME: CHAD BUTTRY
PSL DEPARTMENT: ZI / CEMENT	LOCATION: LIBERAL	COMPANY: EOG RESOURCES 302122	CUSTOMER REP / PHONE: DALE PASSIG 1-580-651-4691
TICKET AMOUNT: $12,562.90	WELL TYPE: 02 GAS	API/UWI #:	
WELL LOCATION: ENGLEWOOD, KS	DEPARTMENT: CEMENT	SAP BOMB NUMBER: 7523	Description: Cement Production Casing
LEASE NAME: GARDINER 2431999	Well No.: 15#2	SEC / TWP / RNG:	HES FACILITY (CLOSEST TO WELL SITE): LIBERAL

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
Buttry, C 317429	13.0						
Cochran, M 217398	13.0						
Barsy, V 242219	13.0						

H.E.S. UNIT #S / (R / T MILES)	R / T MILES		R / T MILES		R / T MILES		R / T MILES
10416642	130						
10219237	130						
10011392-1028023	65						

Form. Name _____ Type: _____
Form. Thickness _____ From _____ To _____
Packer Type _____ Set At _____
Bottom Hole Temp. _____ Pressure _____
Retainer Depth _____ Total Depth 5800 FT

Date	Called Out	On Location	Job Started	Job Completed
	6/23/2005	6/23/2005	6/24/2005	6/24/2005
Time	1400	1730	0130	0220

Type and Size		Qty	Make
Float Collar	SSII	1	H
Float Shoe	SSII	1	
Centralizers	FLUIDMASTER	20	A
Top Plug	HWE	1	
HEAD	PC	1	L
Limit clamp		1	
Weld-A		1	C
Guide Shoe			
BTM PLUG			O

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		10.5	4 1/2	0-	5,808	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			7 7/8	0-	5,504	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
6/23	13.0	6/24	15.5
	13.0		15.5

Cement Production Casing

SEE JOB PROCEDURE

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

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	60/60 POZ PP	6% GILSONITE, 0.6% HALAD-322, 6% CAL-SEAL, 10% SALT,	7.31	1.63	13.60
2						
3						
4						

Circulating _____ Displacement _____
Breakdown _____ MAXIMUM _____
Lost Returns-YES _____ Lost Returns-NO _____
Cmt Rtrns/Bbl _____ Actual TOC _____
Average _____ Frac. Gradient _____
Shut In: Instant _____ 5 Min. _____ 15 Min. _____

Prefush: BBl
Load & Bkdn: Gal - BBl
Excess /Return BBl
Calc. TOC:
Treatment: Gal - BBl
Cement Slurry: BBl 87.0
Total Volume BBl

Type:
Pad:Bbl -Gal
Calc.Disp Bbl
Actual Disp. 93
Disp:Bbl 93.00

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE _____ Dale Passig
SIGNATURE

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HALLIBURTON JOB LOG

REGION: NORTH AMERICA LAND	NWA / COUNTRY: Central / USA	TICKET #: 3787900	TICKET DATE: 06/23/05
MBU ID / EMPL #: MCLI0104 317429	H.E.S EMPLOYEE NAME: CHAD BUTTRY	SDA / STATE: MC / KS	COUNTY: CLARK
LOCATION: LIBERAL	COMPANY: EOG RESOURCES 30212	PBL DEPARTMENT: ZI / CEMENT	
TICKET AMOUNT: $12,562.90	WELL TYPE: 02 GAS	CUSTOMER REP / PHONE: DALE PASSIG 1-580-651-4691	
WELL LOCATION: ENGLEWOOD, KS	DEPARTMENT: CEMENT	AP/COUNT #:	
LEASE NAME: GARDINER Well No. 15#2	SEC / TWP / RNG:	JOB PURPOSE CODE: Cement Production 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
Buttry, C 317429	13						
Cochran, M 217398	13						
Baray, V 242219	13						

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate HI	Press.(PSI) CSG.	Press.(PSI) Tbg	Job Description / Remarks
6-23	1400						CALLED OUT FOR JOB
	1800						JOB READY
	1430						PRE- TRIP SAFETY MEETING
	1730						PUMP TRUCK ON LOCATION
	1730						JOB SITE ASSESMENT/ GO OVER JSA
	1800						RIG UP PUMP TRUCK
	1830						RIG UP CSG CREW
	1900						START RUNNUNG CSG(5906FT)
	2230						CSG ON BTTM
	2300						RIG DWN CSG CREW
	2330						HOOK UP PC AND CIRCULATE W/RIG PUMP
6-24	0130						HOOK UP TO PT
	0131				3200		TEST LINES
	0133	4.0	12.0		283		SPACER
	0136	6.5	87.0		100		MIX CMT @ 13.5(300SX OF 50/50 POZ)
	0156	5.0	20.0		50		SHUT DWN AND WASH PUMP AND LINES
	0201	6.5	0-		80		START DISP W/ CLA-STA/CLAY-FIX/LOSURF
	0215	2.0	83.0		800		SLOW DWN LAST 10 BBLS OF DISP
	0219	2.0	93.0		1600		BUMP PLUG
	0220						RELEASE FLOAT HELD
	0220						END JOB
							THANKS FOR CALLING HALLIBURTON
							CHAD & CREW

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