



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., 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       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1059406

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	Brookover 4 #4
Doc ID	1059406

All Electric Logs Run

RESISTIVITY
SONIC ARRAY
SD/DS NEUTRON MICRO
MICRO

Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	Brookover 4 #4
Doc ID	1059406

Tops

Name	Top	Datum
BASE OF HEEBNER	3901	-1022
LANSING	3982	-1103
MARMATON	4471	-1592
CHEROKEE	4599	-1720
ATOKA	4704	-1825
MORROW	4786	-1907
ST GENEVIEVE	4882	-2003
ST LOUIS	4896	-2017

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 12, 2011

DAWN ROCKEL  
EOG Resources, Inc.  
3817 NW EXPRESSWAY STE 500  
OKLAHOMA CITY, OK 73112-1483

Re: ACO1  
API 15-055-22105-00-00  
Brookover 4 #4  
SE/4 Sec.04-25S-32W  
Finney County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
DAWN ROCKEL



# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2858180	Quote #:	Sales Order #: 8225883
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Howard, William	
Well Name: Brookover	Well #: 4#4	API/UWI #: 15-055-22105	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 4 Township 25S Range 32W			
Contractor: Kenai		Rig/Platform Name/Num: 58	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	9.5	442123	ARCHULETA, ERICK	18	454260	CARRILLO, EDUARDO Carrillo	9.5	371263
DEETZ, DONALD E	18	389855	GOMEZ, OSCAR	18	490448	GRAVES, JEREMY Lee	18	399155
LONDAGIN, MICHAEL Lee	9.5	340915	PORTILLO, CESAR	18	457847			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	07 - Jun - 2011	07:45	CST
Form Type			BHST	Job Started	07 - Jun - 2011	12:00	CST
Job depth MD	1700. ft		Job Depth TVD	1733. ft	Job Completed	07 - Jun - 2011	21:00
Water Depth			Wk Ht Above Floor	3. ft	Departed Loc	07 - Jun - 2011	22:00
Perforation Depth (MD)	From		To				

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Hole				12.25				.	1700.		
Surface Casing	Unknown		8.625	8.097	24.			.	1700.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,CSG,TIGER TOOTH,8 5/8 IN 8RD	1	EA		
CLR,FLT,TROPHY SEAL,8-5/8 8RD	1	EA		
AUTOFILL KIT,TROPHY SEAL	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	11	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
KIT,HALL WELD-A	2	EA		
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		

Tools and Accessories															
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make		
Guide Shoe					Packer					Top Plug					
Float Shoe					Bridge Plug					Bottom Plug					
Float Collar					Retainer					SSR plug set					
Insert Float										Plug Container					
Stage Tool										Centralizers					
Miscellaneous Materials															
Gelling Agt			Conc		Surfactant			Conc		Acid Type		Qty		Conc	%
Treatment Fld			Conc		Inhibitor			Conc		Sand Type		Size		Qty	
Fluid Data															
Stage/Plug #: 1															
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk				
1	Lead Cement	VARICEM (TM) CEMENT (452009)			300.0	sacks	11.4	2.96	18.14		18.14				
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)													
	0.1 %	WG-17, 50 LB SK (100003623)													
	0.25 lbm	POLY-E-FLAKE (101216940)													
	18.138 Gal	FRESH WATER													
2	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)			200.0	sacks	15.6	1.2	5.22		5.22				
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)													
	0.25 lbm	POLY-E-FLAKE (101216940)													
	5.218 Gal	FRESH WATER													
3	Displacement				107.00	bbl	8.33	.0	.0	.0					
Calculated Values			Pressures			Volumes									
Displacement	107	Shut In: Instant			Lost Returns		Cement Slurry		Pad						
Top Of Cement	SURFACE	5 Min			Cement Returns		50	Actual Displacement		Treatment					
Frac Gradient		15 Min			Spacers		Load and Breakdown		Total Job						
Rates															
Circulating	8	Mixing		5	Displacement		9	Avg. Job		7					
Cement Left In Pipe	Amount	45 ft	Reason	Shoe Joint											
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID								
The Information Stated Herein Is Correct					Customer Representative Signature										



# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2858180	Quote #:	Sales Order #: 8225883
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Howard, William	
Well Name: Brookover	Well #: 4#4	API/UWI #: 15-055-22105	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 4 Township 25S Range 32W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Kenai	Rig/Platform Name/Num: 58		
Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: DRAKE, BRANDON	Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/07/2011 04:00							
Depart Location Safety Meeting	06/07/2011 06:30							JOURNEY MANAGEMENT
Arrive At Loc	06/07/2011 07:30							
Assessment Of Location Safety Meeting	06/07/2011 07:45							SPOT TRUCKS GOT NUMBERS FROM COMPANY MAN
Pre-Rig Up Safety Meeting	06/07/2011 07:50							WENT OVER POSSIBLE HAZARDS WHILE RIGGING UP IRON
Other	06/07/2011 08:15							RIG UP CASING CREW
Rig-Up Completed	06/07/2011 08:15							
Other	06/07/2011 08:45							RUNNING CASING INTO HOLE
End Job	06/07/2011 08:52							
Casing on Bottom	06/07/2011 11:30							CASING ON BOTTOM RIG DOWN CASING CREW CIRC FOR 30MIN
Safety Meeting - Pre Job	06/07/2011 12:00							
Other	06/07/2011 12:20							DENSOMETERS NOT READING RIGHT CHECKED WITH SCALES
Start Job	06/07/2011 12:20							
Test Lines	06/07/2011 12:24							TESTED TO 3000 PSI

Sold To #: 348223

Ship To #: 2858180

Quote #:

Sales Order #:

8225883

SUMMIT Version: 7.2.27

Tuesday, June 07, 2011 10:09:00

Activity Description	Date/Time	Cnt #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	06/07/2011 12:51		6		158.1	150.0		300SKS MIXED AT 11.4# DENSOMETERS WERE ACTING UP SCALED CEMENT ALL THE WAY THRU
Pump Tail Cement	06/07/2011 13:03		6		42.7	150.0		200SKS MIXED AT 15.6# HAND MIXED FLECS SYSTEM WENT DOWN SCALED ALL THE WAY THRU JOB WENT TO 2ND POT OF TAIL 6X5 BOOST PUMP WENT OUT WAS NOT CIRCULATING CEMENT AT THAT TIME TALKED TO COMP REP HE MADE A CALL TO SHUT DOWN CEMENTING
Other	06/07/2011 13:15							AT THAT TIME WE PUT THE RIG ON CASING TO CIRCULATE CEMENT OUT OF HOLE AND ORDERED MORE CEMENT AND ANOTHER TRUCK. WHILE WAITING PULLED TRUCK APART FOUND TRASH IN THE FLOW METER THAT WORKS THE FLECS ( ADC ) THAT EXPLAINED THE COMPUTER PROBLEMS
Safety Meeting - Pre Job	06/07/2011 19:00							
Start Job	06/07/2011 19:15							
Test Lines	06/07/2011 19:20							TEST LINES 3000PSI
Pump Lead Cement	06/07/2011 19:27		6		158	150.0		300SKS MIXED AT 11.4#
Pump Tail Cement	06/07/2011 19:55		2		43	150.0		200SKS MIXED AT 15.6
Drop Plug	06/07/2011 20:24							TOP PLUG

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	06/07/2011 20:25		9		87	500.0		FRESH WATER 107BBLs LAST 20BBLs STAGE IN
Stage Cement	06/07/2011 20:36		2		20	1200. 0		SLOWED RATE TO 2BBLs PER MIN STAGED IN LAST 20BBLs
Bump Plug	06/07/2011 20:55					1200. 0		BUMPED PLUG @ 550 TOOK TO 1200
Check Floats	06/07/2011 20:57							RELEASED PRESSURE FLOATS HELD
End Job	06/07/2011 20:59							
Pre-Rig Down Safety Meeting	06/07/2011 21:15							
Rig-Down Equipment	06/07/2011 21:30							
Pre-Convoy Safety Meeting	06/07/2011 21:45							JOURNEY MANAGEMENT
Depart Location for Service Center or Other Site	06/07/2011 22:00							

Sold To #: 348223

Ship To #: 2858180

Quote #:

Sales Order #:

8225883

SUMMIT Version: 7.2.27

Tuesday, June 07, 2011 10:09:00

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2858180	Quote #:	Sales Order #: 8244401
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: KNOX, MIKE	
Well Name: Brookover	Well #: 4#4	API/UWI #: 15-055-22105	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 4 Township 25S Range 32W			
Contractor: KENAI	Rig/Platform Name/Num: 58		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: DRAKE, BRANDON	Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEETZ, DONALD E	5	389855	GRAVES, JEREMY Lee	5	399155	JOHNSON, COREY Drew	5	495243

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL

Total is the sum of each column separately

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	5050. ft	BHST	5050. ft	On Location	11 - Jun - 2011	18:00	CST
Job depth MD	5050. ft	Job Depth TVD	5050. ft	Job Started	11 - Jun - 2011	21:00	CST
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	11 - Jun - 2011	22:45	CST
Perforation Depth (MD)	From	To		Departed Loc	12 - Jun - 2011	00:30	CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Hole				7.875				1700.	5050.		
5 1/2" Production Casing	Unknown		5.5	4.052	15.5				5050.		
Surface Casing	Unknown		8.625	8.097	24.				1700.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL	1	EA		
CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4	1	EA		
CENTRALIZER ASSY - TURBO - API -	19	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	2	EA		
KIT,HALL WELD-A	2	EA		
PLUG ASSY,3 WIPR LTH-DWN,5 1/2 CSG	1	EA		
BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			



# HALLIBURTON

# Cementing Job Summary

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data

#### Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	125.0	sacks	13.5	1.73	8.19		8.19
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	10 %	SALT, 100 LB BAG (100003652)							
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356)							
	0.6 %	HALAD(R)-344, 50 LB (100003670)							
	0.5 %	D-AIR 3000 (101007446)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	8.191 Gal	FRESH WATER							

2	2% KCL Displacement			bbl	8.45	.0	.0	.0	
	7.15 lbm/bbl	POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585)							

3	Rat Hole Plug Cement	PLUGCEM (TM) SYSTEM (452969)	50.0	sacks	13.5	1.73	8.19		8.19
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	10 %	SALT, 100 LB BAG (100003652)							
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356)							
	0.6 %	HALAD(R)-344, 50 LB (100003670)							
	0.5 %	D-AIR 3000 (101007446)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	8.191 Gal	FRESH WATER							

### Calculated Values

### Pressures

### Volumes

Displacement	Shut In: Instant	Lost Returns	Cement Slurry	Pad
Top Of Cement	5 Min	Cement Returns	Actual Displacement	Treatment
Frac Gradient	15 Min	Spacers	Load and Breakdown	Total Job

### Rates

Circulating	Mixing	Displacement	Avg. Job
Cement Left In Pipe	Amount	45 ft Reason	Shoe Joint
Frac Ring # 1 @	ID	Frac ring # 2 @	ID
Frac Ring # 3 @	ID	Frac Ring # 4 @	ID

The Information Stated Herein Is Correct

Customer Representative Signature

*M. D. Knopf*

# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2858180	Quote #:	Sales Order #: 8244401
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: KNOX, MIKE	
Well Name: Brookover	Well #: 4#4	API/UWI #: 15-055-22105	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 4 Township 25S Range 32W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: KENAI	Rig/Platform Name/Num: 58		
Job Purpose: Cement Production Casing		Ticket Amount:	
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: DRAKE, BRANDON	Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/11/2011 14:00							
Pre-Convoy Safety Meeting	06/11/2011 17:00							JOURNEY MANAGEMENT
Depart from Service Center or Other Site	06/11/2011 17:15							
Arrive At Loc	06/11/2011 18:00							
Assessment Of Location Safety Meeting	06/11/2011 18:15							SPOT TRUCKS AND GET NUMBERS FROM COMPANY MAN
Pre-Rig Up Safety Meeting	06/11/2011 18:30							WENT OWHILE RIGGING UPVER POSSIBLE HAZARDS
Rig-Up Equipment	06/11/2011 18:45							RAN IRON AND WATER HOSES
Clean Lines	06/11/2011 20:51							CLEAN LINES TO PIT
Start Job	06/11/2011 21:45							
Test Lines	06/11/2011 21:46					4000.0		TEST LINES 4000PSI
Pump Cement	06/11/2011 21:49		7.5		38	500.0		125SKS MIXED AT 13.5
Clean Lines	06/11/2011 21:58							CLEAN LINES TO PIT
Drop Plug	06/11/2011 22:00							DROP TOP PLUG
Pump Displacement	06/11/2011 22:03		10		118	900.0		118 BBLS FRESH WATER
Bump Plug	06/11/2011 22:20							BUMPED PLUG AT
Check Floats	06/11/2011 22:22							FLOATS HELD

Sold To #: 348223

Ship To #: 2858180

Quote #:

Sales Order #:

8244401

SUMMIT Version: 7.2.27

Sunday, June 12, 2011 12:02:00

# HALLIBURTON

## *Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	06/11/2011 22:25		3		8		30.0	25SKS MIXED AT 13.5 PUMPED DOWN MOUSE HOLE
Pump Cement	06/11/2011 22:31		3		8		30.0	25SKS MIXED AT 13.5 PUMPED DOWN RAT HOLE
End Job	06/11/2011 22:37							
Pre-Rig Down Safety Meeting	06/11/2011 22:45							WENT OVER POSSIBLE HAZARDS
Rig-Down Equipment	06/11/2011 23:00							RIG DOWN IRON AND WATER HOSES
Pre-Convoy Safety Meeting	06/12/2011 00:00							JOURNEY MANAGEMENT
Depart Location for Service Center or Other Site	06/12/2011 00:30							

Sold To # : 348223

Ship To # :2858180

Quote # :

Sales Order # : 8244401

SUMMIT Version: 7.2.27

Sunday, June 12, 2011 12:02:00