

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form must be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

*11/08/11*

Operator: License # 5278

Name: EOG Resources, Inc.

Address 3817 NW Expressway, Suite 500

City/State/Zip Oklahoma City, OK 73112-1483

Purchaser: N/A **CONFIDENTIAL**

Operator Contact Person: Malinda Crall *JAN 08 2009*

Phone ( 405 ) 246-3170 **KCC**

Contractor: Name: KENAI MID-CONTINENT, INC. *ku*

License: 34000 **RECEIVED**  
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Wellsite Geologist: \_\_\_\_\_ *JAN 14 2009*

Designate Type of Completion

- New Well
- Re-Entry
- Oil
- SWD
- SIOW
- 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. \_\_\_\_\_

<u>11-26-08</u>	<u>12-01-08</u>	<u>P&amp;A 12-3-08</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API NO. 15- 189-22668-00-00

County Stevens

SW - NE - NE - SE Sec. 16 Twp. 32S S. R. 36  E  W

2100 Feet from SN (circle one) Line of Section

400 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW

Lease Name Kara Well # 16 #1

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

Producing Formation N/A

Elevation: Ground 3070 Kelley Bushing 3082

Total Depth 6500 Plug Back Total Depth N/A

Amount of Surface Pipe Set and Cemented at 1616.17 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 cm.

Drilling Fluid Management Plan PA NJ 2-7-09  
(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.  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.

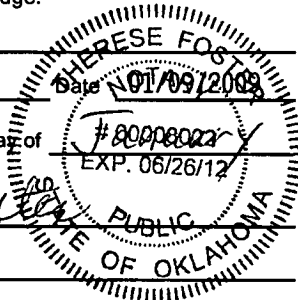
Signature malinda crall

Title Sr. Operations Assistant

Subscribed and sworn to before me this 12th day of 09.

Notary Public Shereese Foster

Date Commission Expires 6/26/12



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name EOG Resources

Lease Name Kara

Well # 16 #1

Sec. 16 Twp. 32S S.R. 36  East  West

County Stevens

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*

List All E.Logs Run:

Borehole Sonic Array, Spectral Density Dual Spaced Neutron Microlog, Spectral Density Dual Spaced Neutron Log, Microlog, Array Compensated Resistivity 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	1616.17	Midcon-2 PP	300	See CMT TIX
					Prem Plus	180	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 Squeeze Record (Amount and Kind of Material Used)	Depth
N/A	N/A	N/A	N/A

TUBING RECORD Size N/A Set At Packer At Liner Run  Yes  No

Date of First, Resumed Production, SWD or Enhr. Dry, P&A 12-03-08 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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) \_\_\_\_\_

ACO-1 Completion Report		
Well Name : KARA 16 #1		
FORMATION	TOP	DATUM
WABAUNSEE	3360	-278
BASE OF HEEBNER	4165	-1083
LANSING	4278	-1196
MARMATON	4982	-1900
CHEROKEE	5168	-2086
MORROW	5650	-2568
ST GENEVIEVE	6250	-3168

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**EOG Resources, Inc.**  
3817 NW Expressway  
Suite 500  
Oklahoma City, OK 73112-1483  
(405) 246-3100

January 8, 2009

Kansas Corporation Commission  
Conservation Division  
Finney State Office Building  
130 S. Market, Room 2078  
Wichita, KS 67202-3802

Re: Electric Logs & All Applicable Information  
KARA 16 #1  
API No. 15-189-22668-00-00

Dear Sir or Madam:

EOG Resources, Inc. respectfully requests that all electric logs and applicable information pertaining to the above referenced well are held confidential for the 2-year maximum time period allowed by the Kansas Corporation Commission.

If additional information is required, please contact me directly at (405) 246-3170.

Sincerely,

A handwritten signature in cursive script that reads "Malinda Crall".

Malinda Crall  
Regulatory Sr. Operations Assistant

Enclosures

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WICHITA, KS

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**HALLIBURTON**

CONSERVATION DIVISION  
WICHITA, KS

**Cementing Job Summary**

*The Road to Excellence Starts with Safety*

Sold To #: 348223	Ship To #: 2699200	Quote #:	Sales Order #: 6361039
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Passig, Dale	
Well Name: Kara	Well #: 16-1	API/UWI #:	
Field:	City (SAP): MOSCOW	County/Parish: Grant	State: Kansas
Contractor: .KENAI	Rig/Platform Name/Num: 55 #580-461-0844		
Job Purpose: Plug to Abandon Service			
Well Type: Development Well		Job Type: Plug to Abandon Service	
Sales Person: BLAKEY, JOSEPH		Srvc Supervisor: LOPEZ, CARLOS	MBU ID Emp #: 321975

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
EVANS, JOSHUA Allen	9	427571	LOPEZ, CARLOS	9	321975	OLDS, ROYCE E	9	306196

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10704310	35 mile	10744298C	35 mile	10897879	35 mile	10988832	35 mile
6611U	35 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-03-08	9	3						

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Formation Depth (MD) Top	Formation Depth (MD) Bottom	Called Out	Date	Time	Time Zone
			On Location	03 - Dec - 2008	00:01	CST
Form Type	BHST		Job Started	03 - Dec - 2008	02:56	CST
Job depth MD	1694. ft	Job Depth TVD	Job Completed	03 - Dec - 2008	06:41	CST
Water Depth		Wk Ht Above Floor	Departed Loc	03 - Dec - 2008	09:00	CST
Perforation Depth (MD) From		To				

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Cement Plug									60.		
Cement Plug								840.	840.		
Cement Plug								1680.	1680.		
Production Open Hole				7.875				1616.	6000.		
Surface	Unknown		8.625	7.825	24.		J-55	1616.			

**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**

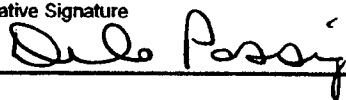
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Conc	Qty

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# HALLIBURTON

# Cementing Job Summary

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	PLUG AT 1680	POZ PREMIUM 40/60 - SBM (15075)	100.0	sacks	13.5	1.51	7.53		7.53	
	2 %	BENTONITE, BULK (100003682)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	7.53 Gal	FRESH WATER								
2	PLUG AT 840	POZ PREMIUM 40/60 - SBM (15075)	40.0	sacks	13.5	1.51	7.53		7.53	
	2 %	BENTONITE, BULK (100003682)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	7.53 Gal	FRESH WATER								
3	PLUG AT 60	POZ PREMIUM 40/60 - SBM (15075)	20.0	sacks	13.5	1.51	7.53		7.53	
	2 %	BENTONITE, BULK (100003682)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	7.53 Gal	FRESH WATER								
4	PLUG RAT & MOUSE HOLE	POZ PREMIUM 40/60 - SBM (15075)	25.0	sacks	13.5	1.51	7.53		7.53	
	2 %	BENTONITE, BULK (100003682)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	7.53 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	0 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						
										

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# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2699200	Quote #:	Sales Order #: 6361039
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Passig, Dale	
Well Name: Kara	Well #: 16-1	API/UWI #:	
Field:	City (SAP): MOSCOW	County/Parish: Grant	State: Kansas
Legal Description:			
Lat:		Long:	
Contractor: .KENAI		Rig/Platform Name/Num: 55 #580-461-0844	
Job Purpose: Plug to Abandon Service			Ticket Amount:
Well Type: Development Well		Job Type: Plug to Abandon Service	
Sales Person: BLAKEY, JOSEPH		Srv Supervisor: LOPEZ, CARLOS	MBU ID Emp #: 321975

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/02/2008 20:00							FOUR HOUR CALL OUT BY LIBERAL DISPATCHER : YOLANDA
Safety Huddle	12/02/2008 21:00							PRE TRIP JOURNEY MANEGEMENT
Depart from Service Center or Other Site	12/02/2008 22:00							DISSCUSSED BEST ROUTE TO GET TO LOCATION
Arrive at Location from Other Job or Site	12/02/2008 23:30							GOT TO LOCATION 30 MIN. EARLY
Assessment Of Location Safety Meeting	12/02/2008 23:35							SPOTTED IN TRUCKS AND HAD PLENTY OF ROOM
Safety Meeting - Pre Rig-Up	12/02/2008 23:40							WHENT OVER SAFETY HABBITS AND PROCEDURES
Rig-Up Completed	12/03/2008 00:15							ALL IRON AND WATER HOSES WERE LAID OUT , BUT WE DIDN'T PRIME UP TRUCK YET BECAUSE OF COLD WEATHER
Wait on Customer or Customer Sub-Contractor Equip	12/03/2008 00:30							PULLING D.P COLLARS
Safety Meeting - Pre Job	12/03/2008 00:37							SAFETY MEETING W/ CO. MAN AND RIG CREW
Start Job	12/03/2008 02:56							
Test Lines	12/03/2008 02:57							CHECKING FOR ANY LEAKS ON TRUCK AND IRON

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Sold To #: 348223

Ship To #: 2699200

Quote #:

Sales Order #:

6361039

SUMMIT Version: 7.20.130

Wednesday, December 03, 2008 07:30:00

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	12/03/2008 03:01		4	27			90.0	100 SKS OF 40/60 POZMIX CEMENT MIXED @ 13.5 # PLUG # 1
Pump Displacement	12/03/2008 03:08		4	17.1			50.0	FRESH WATER
Other	12/03/2008 03:12							DISCONNECTED DRILLPIN AND BEGAN PULLING D.P
Clean Lines	12/03/2008 03:14							WASHED UP TUB AND LINES TO PIT
Pump Cement	12/03/2008 03:58		3.5	10.7			50.0	40 SKS OF 40/60 POZMIX MIXED @ 13.5 # FOR 2ND PLUG
Pump Displacement	12/03/2008 04:02		3	9.3			50.0	FRESH WATER
Other	12/03/2008 04:03							FINISHED WITH SECOND PLUG AND BEGAN PULLING PIPE AGAIN
Clean Lines	12/03/2008 04:04							WASHED UP TUB AND LINES TO PIT
Pump Spacer 1	12/03/2008 05:56		3	3			30.0	WATER AHEAD TO MAKE SURE HOLE WAS FULL
Pump Cement	12/03/2008 05:58		3	5.4	43.1		75.0	20 SKS OF 40/60 POZMIX MIXED @ 13.5 # FOR THIRD PLUG
Pump Displacement	12/03/2008 06:01		3	1	27.4		50.0	FRESH WATER
Pump Cement	12/03/2008 06:14		3	3.6				PLUGGING RAT HOLE
Other	12/03/2008 06:17							CHANGING DRILL COLLAR OVER TO MOUSE HOLE
Pump Cement	12/03/2008 06:20		3	3				PLUGGING MOUSE HOLE
Clean Lines	12/03/2008 06:24							CLEANING TUB AND LINES OUT TO PIT
End Job	12/03/2008 06:42							GOT CEMENT BACK TO SURFACE ON LAST PLUG AS EXPECTED
Depart Location for Service Center or Other Site	12/03/2008 09:00							THANK YOU FOR CALLING HALLIBURTON CARLOS AND CREW

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Sold To # : 348223

Ship To # : 2699200

Quote # :

KCC

Sales Order # :

6361039

SUMMIT Version: 7.20.130

Wednesday, December 03, 2008 07:30:00



# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2699200	Quote #:	Sales Order #: 6347986
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Passig, Dale	
Well Name: Kara	Well #: 16#1	API/UWI #:	
Field:	City (SAP): MOSCOW	County/Parish: Stevens	State: Kansas
Contractor: <del>KENAT</del>	Rig/Platform Name/Num: 55 #580-461-0844		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: BLAKEY, JOSEPH		Srvc Supervisor: DEETZ, DONALD	MBU ID Emp #: 389855

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEETZ, DONALD E	9.0	389855	EVANS, JOSHUA Allen	9.0	427571	FLORES, RUBEN Estrada	9.0	447193
OLDS, ROYCE E	9.0	306196						

### 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
11/27/08	9.0	3.0						

TOTAL Total is the sum of each column separately

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
	1621. ft			BHST	1621. ft	1621. ft	3. ft				27 - Nov - 2008	09:00	CST	
											27 - Nov - 2008	11:45	CST	
											27 - Nov - 2008	16:47	CST	
											27 - Nov - 2008	18:04	CST	
											27 - Nov - 2008	20:00	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
Surface Hole				12.25					1700.		
Surface Casing	Unknown		8.625	8.097	24.				1624.7		

### 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		
MLVASSY,INSR FLOAT,8-5/8 8RD, 24 lbs/ft	1	EA		
FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	9	EA		
CLP,LIM,8 5/8,FRICT,WTH DOGS	1	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	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	8 5/8	1	h	1621	Packer					Top Plug	8 5/8	1	h
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float	8 5/8	1	h	1577						Plug Container	8 5/8	1	h
Stage Tool										Centralizers	8 5/8	9	h

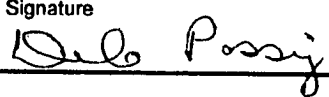
### Miscellaneous Materials

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

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# Cementing Job Summary

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	MIDCON-2 CEMENT PREMIUM PLUS - SBM (15079)	300.0	sacks	11.4	2.96	18.14		18.14	
3 %		CALCIUM CHLORIDE - HI TEST PELLETT (100005053)								
0.25 lbm		POLY-E-FLAKE (101216940)								
0.1 %		WG-17, 50 LB SK (100003623)								
18.138 Gal		FRESH WATER								
2	Tail Cement	CMT - PREMIUM PLUS CEMENT (100012205)	180.0	sacks	14.8	1.34	6.32		6.32	
94 lbm		CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)								
6.324 Gal		FRESH WATER								
2 %		CALCIUM CHLORIDE - HI TEST PELLETT (100005053)								
0.25 lbm		POLY-E-FLAKE (101216940)								
3	Displacement		100.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	100	Shut In: Instant		Lost Returns	0	Cement Slurry	201	Pad		
Top Of Cement	surface	5 Min		Cement Returns	32	Actual Displacement	100	Treatment		
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	301	
Rates										
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6			
Cement Left In Pipe	Amount	44 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						
										

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# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2699200	Quote #:	Sales Order #: 6347986
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Passig, Dale	
Well Name: Kara	Well #: 16#1	API/UWI #:	
Field:	City (SAP): MOSCOW	County/Parish: Stevens	State: Kansas
Legal Description:			
Lat:		Long:	
Contractor: KENAI		Rig/Platform Name/Num: 55 #580-461-0844	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: BLAKEY, JOSEPH		Srvc Supervisor: DEETZ, DONALD	MBU ID Emp #: 389855

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/27/2008 09:00							
Depart Yard Safety Meeting	11/27/2008 10:30							discused route and stops
Arrive at Location from Service Center	11/27/2008 11:45							rig was circulating on bottom with drill pipe
Assessment Of Location Safety Meeting	11/27/2008 11:50							located water and were we will spot in truck
Pre-Rig Up Safety Meeting	11/27/2008 11:55							discused rig up procedures
Rig-Up Completed	11/27/2008 12:30							rigged up to cat walk
Circulate Well	11/27/2008 16:15							put on cement head circulated with rig
Start Job	11/27/2008 16:47							
Test Lines	11/27/2008 16:48							2000 psi
Pump Lead Cement	11/27/2008 16:51		6	158			50.0	300 sks @ 11.4
Pump Tail Cement	11/27/2008 17:16		6	43	201		50.0	180 sks @ 14.8
Drop Plug	11/27/2008 17:24							top plug only
Pump Displacement	11/27/2008 17:25		6	100	301		500.0	rig water pump 80 bbls shut down pump 10 bbl @ 1 bbl min shut down pump last 10 bbl @ 1 bbl min
Bump Plug	11/27/2008 18:03							bumped plug @ 500 took to 1050 checked floats ok got back 32 bbl cement returns
End Job	11/27/2008 18:04							thanks for calling halliburton eric & crew

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6347986

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Thursday, November 27, 2008 06:19:00

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Rig Down Safety Meeting	11/27/2008 18:10							watch for pinch points use buddy system
Rig-Down Completed	11/27/2008 19:10							
Depart Location Safety Meeting	11/27/2008 19:30							discussed routs and stops
Depart Location for Service Center or Other Site	11/27/2008 20:00							

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