

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL Form must be Typed  
Form ACO-1  
October 2008

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

1/26/12

OPERATOR: License # 5278

Name: EOG RESOURCES, INC.

Address 1: 3817 NW Expressway, Suite 500

Address 2: Suite 500

City Oklahoma City State OK Zip: 73112 +

Contact Person: DAWN ROCKEL

Phone ( 405 ) 246-3226

CONTRACTOR: License # 34000

Name: KENAI MID-CONTINENT, INC. KCC WICHITA

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

Purchaser: ANADARKO GATHERING COMPANY

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW

Gas  ENHR  SIGW

CM (Coal Bed Methane)  Temp. Abd.

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  Conv.to SWD

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

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Enhr?) \_\_\_\_\_ Docket No. \_\_\_\_\_

11/16/09 11/22/06 12/17/09

Spud Date or Date Reached TD Completion Date or Recompletion Date

API NO. 15- 129-21885-00-00

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

SE - SE - NW - NE Sec. 33 Twp. 33S S. R. 39  East  West

1212 Feet from  North /  South Line of Section

1609 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County MORTON

Lease Name LORNA Well # 33 #1

Field Name WILDCAT

Producing Formation MORROW

Elevation: Ground 3258' Kelley Bushing 3269'

Total Depth 6400' Plug Back Total Depth 6355' est.

Amount of Surface Pipe Set and Cemented at 1640' 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 APL 215-10  
(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 WEST SUNSET DISPOSAL, LLC

Lease Name ROHER License No. 32462

Quarter \_\_\_\_\_ Sec. 36 Twp. 34 S. R. 36  East  West

County STEVENS Docket No. D27649

**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 Dawn Rockel

Title SR. OPERATIONS ASSISTANT Date 1/26/2010

Subscribed and sworn to before me this 27th day of February 2010.

Notary Public Loriana Igleheart Notary Public State of Oklahoma

Date Commission Expires 7/6/13 Commission # 09005407 Expires 07/06/13

KCC Office Use ONLY	
Letter of Confidentiality Attached	<input checked="" type="checkbox"/>
If Denied, Yes <input type="checkbox"/> Date: _____	
Wireline Log Received	<input checked="" type="checkbox"/>
Geologist Report Received	<input checked="" type="checkbox"/>
UIC Distribution	<input checked="" type="checkbox"/>

Operator Name EOG RESOURCES, INC.

Lease Name LORNA

Well # 33 #1

Sec. 33 Twp. 33 S.R. 39  East  West

County MORTON

**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, 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:

RESISTIVITY, MICRO, DUAL SPACED NEUTRON, DUAL SPACED NEUTRON MICRO & CEMENT BOND LOG.

Log Formation (Top), Depth and Datums  Sample

Name Top Datum

SEE ATTACHED LIST

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#	1640'	MIDCON2 PP	300	See Cmt. TIX
					CLASS A	200	See Cmt. TIX
PRODUCTION	7 7/8	4 1/2	10.5#	6397'	50/50 POZ	195	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
4	5795-5811'		

TUBING RECORD	Size 2 3/8	Set At 5788'	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. 12/17/09	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours 12/22	Oil Bbls. 0	Gas Mcf 3187	Water Bbls. 0	Gas-Oil Ratio ----	Gravity N/A
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval 5795-5811'
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ACO-1 Completion Report		
Well Name : LORNA 33 #1		
FORMATION	TOP	DATUM
CHASE	2540	729
COUNCIL GROVE	2855	414
WABAUNSEE	3296	-27
BASE OF HEEBNER	4118	-849
LANSING	4220	-951
MARMATON	4900	-1631
CHEROKEE	5150	-1881
ATOKA	5589	-2320
MORROW	5734	-2465
CHESTER	6212	-2943

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2754176	Quote #:	Sales Order #: 7009871
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Heiskell, Preston	
Well Name: Loma	Well #: 33-1	API/OWI #:	
Field:	City (SAP): ROLLA	County/Parish: Morton	State: Kansas
Contractor: Kenai	Rig/Platform Name/Num: 55		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: BLAKEY, JOSEPH		Srvc Supervisor: BRINKMAN, BENNETT	MBU ID Emp #: 414024

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRINKMAN, BENNETT Wade	8.5	414024	DUDLY, NATE	3	1	FITE, WESLEY	3	453585
GREEN, SCOTT Anthony	7	301261	LOPEZ, CARLOS	8.5	321975			

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
11-17-2009	8	2	11-18-2009	.50				
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	17 - Nov - 2009	15:45	CST
Job depth MD	1700. ft	Job Depth TVD	Job Started	17 - Nov - 2009	22:15	CST
Water Depth		Wk Ht Above Floor	Job Completed	17 - Nov - 2009	23:03	CST
Perforation Depth (MD) From		To	Departed Loc	18 - Nov - 2009	00:30	CST

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
Surface Hole				12.25					1623.		
Surface Casing	Unknown		8.625	8.097	24.				1622.		

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

Description	Qty	Qty uom	Depth	Supplier
VLVASSY, 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		
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		
SHOE, CSG, TIGER TOOTH, 8 5/8 IN 8RD	1	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	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			

# 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	Mid-con II Standard	MIDCON-2 CEMENT STANDARD - SBM (15078)	300.0	sacks	11.4	2.98	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	Standard Cement	CMT - STANDARD CEMENT (100003684)	200.0	sacks	15.6	1.2	5.22		5.22		
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)									
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)									
	0.25 lbm	POLY-E-FLAKE (101216940)									
	5.218 Gal	FRESH WATER									
3	Displacement		101.00	bbl	8.33	.0	.0	.0			
Calculated Values			Pressures			Volumes					
Displacement	101	Shut In: Instant				Lost Returns	Cement Slurry		Pad		
Top Of Cement		5 Min				Cement Returns	Actual Displacement	101	Treatment		
Frac Gradient		15 Min				Spacers	Load and Breakdown	Total Job			
Rates											
Circulating	Mixing			Displacement			Avg. Job				
Cement Left in Pipe	Amount	43.47 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							

# Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 348223		Ship To #: 2754176		Quote #:		Sales Order #: 7009871	
Customer: EOG RESOURCES INC EBUSINESS				Customer Rep: Heiskell, Preston			
Well Name: Loma			Well #: 33-1		API/UWI #:		
Field:		City (SAP): ROLLA		County/Parish: Morton		State: Kansas	
Legal Description:							
Lat:				Long:			
Contractor: Kenai			Rig/Platform Name/Num: 55				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: BLAKEY, JOSEPH			Srcv Supervisor: BRINKMAN, BENNETT			MBU ID Emp #: 414024	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/17/2009 13:07							
Pre-Convoy Safety Meeting	11/17/2009 14:15							LEFT OTHER JOB SITE FOR EOG SURFACE JOB. WENT OVER ROUTE WITH PUMP OPERATOR. BULK COMIG OUT OT BURNS FLAT
Arrive At Loc	11/17/2009 16:10							WENT OVER JOB NUMBERS WITH CO MAN
Pre-Rig Up Safety Meeting	11/17/2009 18:00							PUMP OPERATOR WENT OVER WHERE TO SPOT EQUIPMENT AND ROUTES OF HOSES AND IRON
Rig-Up Equipment	11/17/2009 18:05							PUMP TRUCK SPOTTED. RIGGED UP HOSES AND IRON
Standby - Other - see comments	11/17/2009 18:50							WAITING ON RIG TO RUN CASING
Other	11/17/2009 21:35							STAB HEAD
Pre-Job Safety Meeting	11/17/2009 22:00							ALL HALLIBURTON AND RIG HANDS PRESENT
Pressure Test	11/17/2009 22:18							PRESSURE TESTED TO 4000 PSI
Pump Lead Cement	11/17/2009 22:20		6		158		135.0	LEAD CEMENT (EXTENDCEM) @12.5 PPG
Pump Tail Cement	11/17/2009 22:41		6		43		125.0	TAIL CEMENT (STANDARD) @ 15.6 PPG

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Sold To #: 348223      Ship To #: 2754176      Quote #:      Sales Order #: 7009871

SUMMIT Version: 7.20.130      Tuesday, November 17, 2009 11:53:00

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Plug	11/17/2009 22:59							HWE 8 5/8 PLUG LEFT HEAD
Pump Displacement	11/17/2009 23:00		8		80		350.0	FRESH WATER
Slow Rate	11/17/2009 23:17		2		22		450.0	SLOWED RATE TO 2 BBL PER MIN. SHUT DOWN AFTER 5 BBL PUMPED WAITED 5 MINS PUMPED 5 BBL AGAIN AT 2 BBL PER MIN. DID THAT LAST 21 BBL OF DISPLACEMENT
Bump Plug	11/17/2009 23:32						1150.0	BUMPED PLUG
Check Floats	11/17/2009 23:33							FLOATS HELD 1 BBL WATER BACK
Pre-Rig Down Safety Meeting	11/17/2009 23:40							ALL HALLIBURTON HANDS PRESENT
Rig-Down Equipment	11/17/2009 23:44							
Depart Location Safety Meeting	11/18/2009 00:20							WENT OVER ROUTE BACK TO BF WITH BULK DRIVERS. WENT OVER ROUTE TO WOODWARD WITH PUMP OPERATOR. TOLD DRIVERS IF THEY WERE TIRED TO PULL OVER AND SLEEP. CHECKED LOGS DRIVERS LOGS WERE OK. TOLD DRIVERS TO WATCH FOR WILDLIFE ON THE ROAD.
Depart Location for Service Center or Other Site	11/18/2009 00:30							CALLED DISPATCH THEN LEFT LOCATION

Sold To #: 348223

Ship To #: 2754176

Quote #:

Sales Order #:

7009871

SUMMIT Version: 7.20.130

Tuesday, November 17, 2009 11:55:00

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223		Ship To #: 2754176		Quote #:		Sales Order #: 7025940	
Customer: EOG RESOURCES INC EBUSINESS				Customer Rep:			
Well Name: Loma			Well #: 33-1		API/UWI #:		
Field:		City (SAP): ROLLA		County/Parish: Morton		State: Kansas	
Contractor: Kenai			Rig/Platform Name/Num: 55				
Job Purpose: Cement Production Casing							
Well Type: Development Well				Job Type: Cement Production Casing			
Sales Person: BLAKEY, JOSEPH			Srvc Supervisor: BRINKMAN, BENNETT			MBU ID Emp #: 414024	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRINKMAN, BENNETT Wade	8.5	414024	BROWN, CLINT T	8.5	381326	GREEN, SCOTT Anthony	8.5	301261
LOPEZ, CARLOS	8.5	321975	TIRRELL, MICHAEL Edward	8.58	429195			

### 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
11-23-2009	1	1	11-24-2009	7.5	2			

TOTAL Total is the sum of each column separately

### Job

Formation Name	Formation Depth (MD) [Top]	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	23 - Nov - 2009	18:00	CST
Job depth MD	6400. ft	Job Depth TVD	Job Started	24 - Nov - 2009	05:40	CST
Water Depth		Wk Hit Above Floor	Job Completed	24 - Nov - 2009	08:18	CST
Perforation Depth (MD) From		To	Departed Loc	24 - Nov - 2009	07:10	CST

### 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
Production Hole				7.875				1700.	6400.		
4 1/2" Production Casing	Unknown		4.5	4.052	10.5				6400.		
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,4 1/2 8RD,DJ	1	EA		
CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA		
CTRZR ASSY,TURBO,API,4 1/2 CSG X 7 7/8	4	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	10	EA		
HALLIBURTON WELD-A KIT	1	EA		
PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA	1	EA		
CENTRALIZER ASSY - API - 4-1/2 CSG X	25	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			

Summit Version: 7.20.130

Tuesday, November 24, 2009 06:53:00

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# Cementing Job Summary

Miscellaneous Materials										
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%			
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	Conc	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	50/50 POZ Standard	POZ STANDARD 50/50 - SBM (12308)	195.0	sacks	13.5	1.74	8.35		8.35	
	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)								
	8.354 Gal	FRESH WATER								
2	2% KCL Displacement		101.00	bbl	8.45	.0	.0	.0		
	167 lbm/Mgal	POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585)								
3	Rat Hole Plug Cement (50/50 poz standard)	POZ STANDARD 50/50 - SBM (12308)	50.0	sacks	13.5	1.74	8.35		8.35	
	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)								
	8.354 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement	101	Shut In: Instant	1250	Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement	101	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						

# Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 348223		Ship To #: 2754176		Quote #:		Sales Order #: 7025940	
Customer: EOG RESOURCES INC EBUSINESS				Customer Rep:			
Well Name: Loma			Well #: 33-1		API/UWI #:		
Field:		City (SAP): ROLLA		County/Parish: Morton		State: Kansas	
Legal Description:							
Lat:				Long:			
Contractor: Kenai			Rig/Platform Name/Num: 55				
Job Purpose: Cement Production Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Production Casing				
Sales Person: BLAKEY, JOSEPH			Srv Supervisor: BRINKMAN, BENNETT			MBU ID Emp #: 414024	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/23/2009 17:00							REC CALL ABOUT JOB FOR EOG IN KANSAS
Depart Yard Safety Meeting	11/23/2009 18:00							BULK COMING OUT OF PAMPA CALLED TO CK TO SEE IF HAD LEFT AND KNEW ROUTE. HE DID. WENT OVER ROUTE WITH PUMP OPERATOR. TOLD HIM TO WATCH FOR DEER. WE DISCUSSD WIND CURRENTS SINCE A FRONT WAS BLOWING THROUGH
Depart from Service Center or Other Site	11/23/2009 19:00							CALLED DISPATCH TO LET THEM WE WERE LEAVING THEN LEFT YARD
Arrive at Location from Service Center	11/23/2009 22:45							ARRIVED ON LOCATION, CALLED DISPATCH TO LET THEM KNOW WE WERE ON LOCATION WENT OVER NUMBERS WITH CO MAN. SPOTTED PUMP AND BULK TRUCKS
Safety Meeting - Pre Rig-Up	11/23/2009 22:55							WENT OVER ROUTES OF HOSES AND IRON

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Sold To #: 348223

Ship To #: 2754176

Quote #:

Sales Order #:

7025940

SUMMIT Version: 7.20.130

Tuesday, November 24, 2009 06:53:00

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Up Equipment	11/23/2009 23:00							SPOTTED EQUIPMENT. RIGGED EQUIPMENT UP. STARTED ALL MOTORS. DID NOT PRIME UP PMP DUE TO TEMP.
Wait on Customer or Customer Sub-Contractor Equip	11/23/2009 23:30							RUNNING CASING AND CIRCULATING CASING DOWN
Other	11/24/2009 04:10							STAB HEAD FLOOR CONNECTION
Pre-Job Safety Meeting	11/24/2009 05:05							PRE JOB SAFETY MEETING WITH RIG HANDS AND HES EMPLOYEES
Pump Cement	11/24/2009 05:40		3		15		50.0	FILLED RAT AND MOUSE HOLE
Test Lines	11/24/2009 05:49						5000.0	
Pump Lead Cement	11/24/2009 05:50		7		61		350.0	50/50 POZ 13.5
Shutdown	11/24/2009 05:59							SWITCH OVER TO WASH OUT LINE
Other	11/24/2009 06:00							WASH PUMPS AND LINES
Drop Plug	11/24/2009 06:04							1/2 PLUG LEFT HEAD
Pump Displacement	11/24/2009 06:05		9.5		90		650.0	2% KCL WATER FROM TRANSPORT
Other	11/24/2009 06:16		3		11		850.0	SLOWED TO 3 BPM
Bump Plug	11/24/2009 06:18						1350.0	BUMPED PLUG
Check Floats	11/24/2009 06:20							FLOATS HELD 1 BBL BACK
Safety Meeting - Pre Rig-Down	11/24/2009 06:25							WENT OVER WHERE TO PUT IRON AND HOSES. TALKED ABOUT THE MUD AND RUTS AROUND RIG. WATCH FOOTING
Rig-Down Equipment	11/24/2009 06:30							

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Quote # :

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7025940

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Tuesday, November 24, 2009 06:53:00

HALLIBURTON

*Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	11/24/2009 07:05							WENT OVER ROUTE BACK TO PAMPA WITH BULK DRIVER AND ROUTE BACK TO WOODWARD WITH PUMP OPERTOR. TOLD THEM IF THEY WERE TIRED TO PULL OVER. IT IS SUN UP WATCH FOR DEER AND BE CAREFUL LOOKING INTO SUN
Depart Location for Service Center or Other Site	11/24/2009 07:10							CALLED DISPATCH THEN LEFT LOCATION

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Tuesday, November 24, 2009 06:53:00

# HALLIBURTON

## Cementing Call for Services

The Road to Excellence Starts with Safety												
Sold To #: 348223			Ship To #: 2754176			Primary Sales Order #: 7025940						
Customer: EOG RESOURCES INC EBUSINESS						Job Purpose: Cement Production Casing						
Well Name: Lorna				Well #: 33-1		API/UWI #:						
Field:			City: ROLLA			County/Parish: Morton			State/Prov: Kansas			
Contractor: Kenai;												
Rig/Platform Name/Num: 55								Location: Land				
Sales Person: BLAKEY, JOSEPH						Status: Pending/Will-Call						
PPE, Safety Huddles, JSA's, HOC & Near Miss Reporting, BBP Observations												
Distance/Mileage(1 way) Srvc:				50.0 miles		Distance/Mileage(1 way) Mtls:				50.0 miles		
Call Taken By:			JERRAKO EVANS			Call Taken Date/Time:						
HSE Information												
H2S Present:			Unknown			CO2 Present:			Unknown			
Drive Safely. Lights On for Safety. Wear Seat Belts. Observe all HES / Customer Safety Policies.												
Directions: From Feterita, 4 mi west, 1/4 north, 1/2 west into												
Remarks												
Job Procedures												
Take Plug, Plug Container and KCI when job calls.												
Pumping Equipment (Generic)												
Description		Qty	Comments		Description		Qty	Comments				
ADC PUMP TRUCK		1			BULK TRUCKS		1					
Surface Equipment (Generic)												
Description		Qty	Comments		Description		Qty	Comments				
CIRCULATING IRON		1			MANIFOLD, PLUG CONTAINER		1					
PLUG CONTAINER		1			PLUG, TOP		1					
SPILL CONTAINMENT KIT		1										
Job Info / Well Data												
Job Depth (MD) ft.		Job Depth (TVD) ft.		Max Pressure psig		Well Fluid Type		Well Fluid Weight lbm/gal		Displacement Fluid		
6400.0		6400.0										
Job Tubulars/Tools												
Description		Size in	Weight lbm/ft	ID in	Thread	Grade	Top MD ft	Btm MD ft	Top TVD ft	Btm TVD ft	Shoe Jnt ft	% Excess
Surface Casing		8.625	24.	8.097			0.0	1,700.0			45.0	
4 1/2" Production Casing		4.5	10.5	4.052			0.0	6,400.0			45.0	
Production Hole				7.875			1,700.0	6,400.0				
Tie on Connection												
Size: 4 1/2 in			Thread: 8 RD			Type: Casing			Cross Over Required: No			



# HALLIBURTON

## Cementing Call for Services

Materials									
Stage/Plug #: 1									
Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
1	50/50 POZ Standard	POZ STANDARD 50/50 - SBM (12308)	195	sacks	13.5	1.74	8.35		8.35
	6 %	CAL-SEAL 60, 50 LB BAG (101217146) Pre-Mix Dry							
	10 %	SALT, 100 LB BAG (100003652) Pre-Mix Dry							
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356) Pre-Mix Dry							
	0.6 %	HALAD(R)-344, 50 LB (100003670) Pre-Mix Dry							
	0.5 %	D-AIR 3000 (101007446) Pre-Mix Dry							
	0.1 %	WG-17, 50 LB SK (100003623) Pre-Mix Dry							
	8.354 Gal	FRESH WATER Mix-On-Fly to Slurry							
Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
2	2% KCL Displacement		101.00	bbl	8.45				
	167 lbm/Mgal	POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585) Pre-Mix Wet							
Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
3	Rat Hole Plug Cement (50/50 poz standard)	POZ STANDARD 50/50 - SBM (12308)	50	sacks	13.5	1.74	8.35		8.35
	6 %	CAL-SEAL 60, 50 LB BAG (101217146) Pre-Mix Dry							
	10 %	SALT, 100 LB BAG (100003652) Pre-Mix Dry							
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356) Pre-Mix Dry							
	0.6 %	HALAD(R)-344, 50 LB (100003670) Pre-Mix Dry							
	0.5 %	D-AIR 3000 (101007446) Pre-Mix Dry							
	0.1 %	WG-17, 50 LB SK (100003623) Pre-Mix Dry							
	8.354 Gal	FRESH WATER Mix-On-Fly to Slurry							
Caution: Displacement quantities and densities are estimates ONLY! Do not use them for the actual job.									
Packaged Materials									
SAP #	Material	Qty	UOM	Comments					
100001585	KCL POTASSIUM CHLORIDE - 50LB	708.41	lbm						
Sales/Rental/3 <sup>rd</sup> Party									
SAP #	Description	Qty	Qty uom	Supplier	Comments/ Tech ID #				
100004878	SHOE,FLOAT,4 1/2 8RD,DJ	1	EA						
100004752	CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA						
100004491	CTRZR ASSY,TURBO,API,4 1/2 CSG X 7 7/8	4	EA						
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	10	EA						
100005045	HALLIBURTON WELD-A KIT	1	EA						
101241019	PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA	1	EA						
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	25	EA						

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Sold To #: 348223

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Lab Project #:

Sales Order #: 7025940

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Monday, November 23, 2009 11:27:00

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COMMUNITY

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LEADERSHIP

