

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form must be Typed

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

11/09/11

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.

Wellsite Geologist: CONFIDENTIAL

Purchaser: NOV 09 2009

Designate Type of Completion **KCC**

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. _____

7/15/09 7/20/09 10/16/09

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API NO. 15- 129-21878-0000

Spot Description: _____

E2 - E2 - SW - SW Sec. 16 Twp. 33 S. R. 39 East West

660 Feet from North / South Line of Section

1250 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County MORTON

Lease Name CHARLENE Well # 16 #1

Field Name _____

Producing Formation MORROW

Elevation: Ground 3235' Kelley Bushing 3246'

Total Depth 6550' Plug Back Total Depth EST. 6492'

Amount of Surface Pipe Set and Cemented at 1618 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 ATTN: U-2409
(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 CHARLENE 16 #1 License No. 32462

Quarter SW Sec. 16 Twp. 33 S. R. 39 East West

County MORTON 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 11/5/09

Subscribed and sworn to before me this 10th day of November 2009.

Notary Public Liana Igleheart

Date Commission Expires 7/6/13

SEAL OF PUBLIC Notary Public State of Oklahoma Commission # 09005487 Expires 07/06/13

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

JAN 19 2010

Side Two

Operator Name EOG RESOURCES, INC.

Lease Name CHARLENE Well # 116 #1

Sec. 16 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 (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:
RESISTIVITY, SONIC ARRAY, S/D Dual Spaced Neutron Micro, S/D Dual Spaced Neutron, Micro & CBL.

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#	1618'	MIDCON2 PP	490	SEE ATTACHED
					PREM PLUS	180	
PRODUCTION	7 7/8	4 1/2	10.5#	6534'	50/50POZ PP	200	SEE ATTACHED

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
3	5979' -6073'	FRAC W/28,000 GAL SLICK H2O & 15,000# PROPPANT	5979-6073

TUBING RECORD

Size	Set At	Packer At	Liner Run
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. 1st prod 10/16/09

Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
10/20	---	141	177	---	---

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 <u>5979-6073</u>
---	---	---

ACO-1 Completion Report		
Well Name : CHARLENE 16 #1		
FORMATION	TOP	DATUM
CHASE	2479	767
COUNCIL GROVE	2775	471
NEVA	3021	225
BASE OF HEEBNER	4013	-767
LANSING	4100	-854
MARMATON	4922	-1676
ATOKA	5418	-2172
MORROW	5645	-2399
ST LOUIS	6365	-3119

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Form ACO-1
October 2008

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11/09/11

* Amended

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CONTRACTOR: License # 34000

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Gas ENHR SIGW

CM (Coal Bed Methane) Temp. Abd.

Dry Other _____

(Core, WSW, Expl., Cathodic, etc.)

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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. _____

<u>7/15/09</u>	<u>7/20/09</u>	<u>10/16/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API NO. 15- 129-21878-0000

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1250 Feet from East / West Line of Section

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NE NW SE SW

County MORTON

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Field Name _____

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(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: _____

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Lease Name CHARLENE 16 #1 License No. 32462

Quarter SW Sec. 16 Twp. 33 S. R. 39 East West

County MORTON Docket No. D27649

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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 11/5/09

Subscribed and sworn to before me this 10th day of November 2009 Diana Igleheart

Notary Public Diana Igleheart Notary Public State of Oklahoma

Date Commission Expires 7/6/13 Commission # 09005487 Expires 07/06/13

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

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Side Two

Operator Name EOG RESOURCES, INC.

Lease Name CHARLENE

Well # 16 #1

Sec. 16 Twp. 33 S.R. 39 East West

County MORTON

100

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 (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:

RESISTIVITY, SONIC ARRAY, S/D Dual Spaced Neutron Micro, S/D Dual Spaced Neutron, Micro & CBL.

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
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					PREM PLUS	180	
PRODUCTION	7 7/8	4 1/2	10.5#	6534'	50/50POZ PP	200	SEE ATTACHED

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
3	5979' - 6073'	FRAC W/28,000 GAL SLICK H2O & 15,000# PROPPANT	5979-6073

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
1stprod 10/16/09 - SI 10/20/09 - w/o SWD	<input checked="" type="checkbox"/> Flowing <input 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
10/20	---	141	177	---	---

DISPOSITION OF GAS:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	5979-6073

ACO-1 Completion Report

Well Name : **CHARLENE 16 #1**

FORMATION	TOP	DATUM
CHASE	2479	767
COUNCIL GROVE	2775	471
NEVA	3021	225
BASE OF HEEBNER	4013	-767
LANSING	4100	-854
MARMATON	4922	-1676
ATOKA	5418	-2172
MORROW	5645	-2399
ST LOUIS	6365	-3119

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HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2735065	Quote #:	Sales Order #: 6781638
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: HEISKELL, PRESTON	
Well Name: Charlene	Well #: 16#1	API/UWI #:	
Field:	City (SAP): ROLLA	County/Parish: Morton	State: Kansas
Contractor: KENAI	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		Srv Supervisor: LISH, DEREK	MBU ID Emp #: 295022

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COOK, TRACY L	18.0	289553	GREEN, SCOTT Anthony	18.0	301261	LISH, DEREK D	18.0	295022
SMITH, JAMES A	15.0	312538	VILLANUEVA, EDUARDO	15.0	341956			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10717476	50 mile	10857045	50 mile	10897843	50 mile	10924982	50 mile
10991615	50 mile	10998524	50 mile	11074742	50 mile	11212168	50 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-16-09	2.5	0.0	7-17-09	15.5	2.0			
TOTAL			Total is the sum of each column separately					

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Formation Name	Job	Date	Time	Time Zone			
Formation Depth (MD) Top	Bottom	Called Out	16 - Jul - 2009	17:00	CST		
Form Type	BHST	On Location	16 - Jul - 2009	21:30	CST		
Job depth MD	1623. ft	Job Depth TVD	1623. ft	Job Started	17 - Jul - 2009	12:57	CST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	17 - Jul - 2009	14:27	CST
Perforation Depth (MD) From	To	Departed Loc	17 - Jul - 2009	15:30	CST		

NOV 09 2009

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					1623.		
Surface Casing	Unknown		8.625	8.097	24.				1622.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,CSG,TIGER TOOTH,8 5/8 IN 8RD	1	EA		
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	12	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		
KIT,HALL WELD-A	1	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	1	EA		

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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			

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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				
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Lead Cement	MIDCON-2 CEMENT PREMIUM PLUS - SBM (15079)	490.0	sacks	11.4	3.01	18.44		18.44	
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	0.1 %	WG-17, 50 LB SK (100003623)								
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356)								
	18.436 Gal	FRESH WATER								
2	Tail Cement	CMT - PREMIUM PLUS CEMENT (100012205)	180.0	sacks	14.8	1.37	6.42		6.42	
	94 lbm	CMT - PREMIUM PLUS - CLASS C REG OR TYPE III, BULK (100012205)								
	6.415 Gal	FRESH WATER								
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356)								
3	Displacement		100.5	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	100.5	Shut In: Instant		Lost Returns	NO	Cement Slurry	307	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	170	Actual Displacement	99	Treatment	7	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing	7	Displacement	8	Avg. Job	7.5			
Cement Left In Pipe	Amount	41.21 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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Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2735065	Quote #:	Sales Order #: 6781638
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: HEISKELL, PRESTON	
Well Name: Charlene	Well #: 16#1	API/UWI #:	
Field:	City (SAP): ROLLA	County/Parish: Morton	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: LISH, DEREK	MBU ID Emp #: 295022

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/16/2009 08:00							EOG CHARLENE 16#1 8 5/8 SURFACE PIPE
Depart Yard Safety Meeting	07/16/2009 09:30							JOURNEY MANAGEMENT MEETING WITH CREW
Crew Leave Yard	07/16/2009 09:45							REQUESTED ON LOCATION @ 13:00
Crew Return Yard	07/16/2009 11:30							CUSTOMER HAVING PROBLEMS ON WELLSITE, REQUESTED JOB BE DELAYED.
Call Out	07/16/2009 17:00							BULK TRUCKS RELOADING WITH NEW CEMENT VOLUME
Depart Yard Safety Meeting	07/16/2009 18:20							JOURNEY MANAGEMENT MEETING WITH CREW
Crew Leave Yard	07/16/2009 18:30							REQUESTED ON LOCATION ASAP
Arrive At Loc	07/16/2009 21:30							SUPERVISOR AND PUMP TRUCK ON LOCATION—RIG PULLING DRILL PIPE
Assessment Of Location Safety Meeting	07/16/2009 21:35							MEET WITH CUSTOMER, ASSESS LOCATION, SPOTTING TRUCKS, RIG UP PROCEDURE, HAZARDS ON LOCATION
Rig-Up Equipment	07/16/2009 21:40							SPOT PUMP TRUCK, RIG UP HES LINES TO THE RIG

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Sold To #: 348223

Ship To #: 2735065

Quote #:

Sales Order #:

6781638

SUMMIT Version: 7.20.130

Friday, July 17, 2009 03:09:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Standby - Other - see comments	07/16/2009 22:30							RIG CONTINUE TO PULL DRILL PIPE, WAIT FOR BULK TRUCKS TO ARRIVE ON LOCATION
Arrive At Loc	07/17/2009 00:30							BULK TRUCKS ARRIVE ON LOCATION
Rig-Up Equipment	07/17/2009 00:35							SPOT AND RIG UP BULK EQUIPMENT
Rig-Up Completed	07/17/2009 00:59							HES EQUIPMENT SPOTTED AND RIGGED UP AND READY
Wait on Customer or Customer Sub-Contractor Equip	07/17/2009 01:00							WAIT ON RIG (HOLE SWELLED IN, WAS ABLE TO CONTINUE PULLING DRILL PIPE SLOWLY)
Other	07/17/2009 06:30							RIG RUN BACK IN HOLE W/ DRILL PIPE
Other	07/17/2009 08:00							RIG PULLING DRILL PIPE
Other	07/17/2009 09:30							CASING CREW RIGGING UP
Other	07/17/2009 10:00							RIG RUN IN HOLE WITH 8 5/8 24# J-55 CSG 1622 FT. (TP) (SJ-41.21) 12 1/4 1623 FT. (TD)
Wait on Customer or Customer Sub-Contractor Equipm	07/17/2009 12:00							RIG RUNNING LAST JOINTS OF CASING, GET CREWS AND EQUIPMENT UP AND READY
Casing on Bottom	07/17/2009 12:15							SET @ 1618 FT.
Rig-Up Equipment	07/17/2009 12:20							STAB HEAD, RIG UP FLOOR
Circulate Well	07/17/2009 12:30							RIG CIRCULATE WELL THROUGH CEMENT HEAD (8 BPM 350 PSI)
Pre-Job Safety Meeting	07/17/2009 12:45							WITH RIG AND HES CREWS, JOB OPERATIONS, JOB HAZARDS
Start Job	07/17/2009 12:57							CEMENT 8 5/8 SURFACE PIPE

CONFIDENTIAL

NOV 09 2009

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Quote # :

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SUMMIT Version: 7.20.130

Friday, July 17, 2009 03:09:00

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Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	07/17/2009 12:58							PRESSURE TEST HES PUMPS AND LINES TO 3000 PSI
Pump Lead Cement	07/17/2009 13:07		7	263			140.0	490 SKS MIXED @ 11.4 PPG.
Cement Returns to Surface	07/17/2009 13:39							CIRCULATED CEMENT TO SURFACE AT 237 BBLs OF LEAD CEMENT AWAY (170 BBLs, 317 SKS BACK TO SURFACE)
Pump Tail Cement	07/17/2009 13:45		7	44			230.0	180 SKS MIXED @ 14.8 PPG.
Drop Top Plug	07/17/2009 13:55							8 5/8 HWE
Pump Displacement	07/17/2009 13:55		8	85			510.0	FRESH WATER DISPLACEMENT (100.5 BBLs TOTAL)
Other	07/17/2009 14:07		2	5			412.0	STAGE CEMENT--- SLOW RATE TO 2 BPM FOR 5 BBLs (85-90 BBLs)
Shutdown	07/17/2009 14:09							WAIT 5 MINUTES
Stage Cement	07/17/2009 14:14		2	5			445.0	STAGE CEMENT--- PUMP 5 BBLs (90-95 BBLs)
Shutdown	07/17/2009 14:16							WAIT 5 MINUTES
Stage Cement	07/17/2009 14:21		2	5.5			465.0	PUMP PLUG DOWN
Bump Plug	07/17/2009 14:23		2	100.5			465.0	500 PSI OVER
Check Floats	07/17/2009 14:24						1100.0	FLOATS HELD, 1/2 BBLs FLOWBACK
End Job	07/17/2009 14:25							FULL RETURNS THROUGH JOB
Pre-Rig Down Safety Meeting	07/17/2009 14:30							WITH HES CREW, RIG DOWN PROCEDURE, HAZARDS ON LOCATION
Rig-Down Equipment	07/17/2009 14:40							RIG DOWN HES
Depart Location Safety Meeting	07/17/2009 15:20							JOURNEY MANAGEMENT MEETING WITH CREW

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Sold To #: 348223

Ship To #: 2735065

Quote #:

Sales Order #:

6781638

SUMMIT Version: 7.20.130

Friday, July 17, 2009 03:09:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Location	07/17/2009 15:30							THANK YOU FROM HALLIBURTON CREW

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Sold To #: 348223

Ship To #: 2735065

Quote #:

Sales Order #: 6781638

SUMMIT Version: 7.20.130

Friday, July 17, 2009 03:09:00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2735065	Quote #:	Sales Order #: 6795068
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: HEISKELL, PRESTON	
Well Name: Charlene	Well #: 16#1	API/UWI #:	
Field:	City (SAP): ROLLA	County/Parish: Seward	State: Kansas
Contractor: KENAI	Rig/Platform Name/Num: 55 #580-461-0844		
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	414024	DAVIS, RUSTY L	8	296891	NALL, JAMES Tracy	8	412260
STELL, KEVIN	8	450776						

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
07-22-2009	8	2						

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TOTAL			NOV 09 2009	Total is the sum of each column separately				
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Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
KCC				21 - Jul - 2009	17:30	CST
Form Type		BHST	On Location	22 - Jul - 2009	01:45	CST
Job depth MD	6500. ft	Job Depth TVD	Job Started	22 - Jul - 2009	07:00	CST
Water Depth		Wk Ht Above Floor	Job Completed	22 - Jul - 2009	08:00	CST
Perforation Depth (MD) From		To	Departed Loc	22 - Jul - 2009	09:15	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				1607.	6500.		
Production Casing	Used		4.5	4.	11.6	8 RD	K-55		6500.		
Surface Casing	Used		8.625	8.097	24.			1607.			

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA		
SHOE,FLT,4-1/2 8RD,2-3/4 SSII	1	EA		
QTRZR ASSY,TURBO,API,4 1/2 CSG X 7 7/8	20	EA		
KIT,HALL WELD-A	1	EA		
PLUG,CMTG,TOP PLSTC,4-1/2 9.5-15.1 LBS/F	1	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	6	EA		
SUGAR - GRANULATED	50	LB		

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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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk					
1	Primary Cement	POZ PREMIUM PLUS 50/50 - SBM (14239)	200	sacks	13.5	1.68	8.09		8.09					
	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)												
	8.087 Gal	FRESH WATER												
	0.1 %	WG-17, 50 LB SK (100003623)												
2	Displacement		103	bbl	8.33	.0	.0	.0						
	167 lbm/Mgal	POTASSIUM CHLORIDE 2% (100001585)												
3	Mouse 20sks and Rat Hole 30sks	POZ PREMIUM PLUS 50/50 - SBM (14239)	50	sacks	13.5	1.68	8.09		8.09					
	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)												
	8.087 Gal	FRESH WATER												
	0.1 %	WG-17, 50 LB SK (100003623)												
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										

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HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2735065	Quote #:	Sales Order #: 6795068
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: HEISKELL, PRESTON	
Well Name: Charlene	Well #: 16#1	API/UWI #:	
Field:	City (SAP): ROLLA	County/Parish: Seward	State: Kansas
Legal Description:			
Lat:		Long:	
Contractor: KENAI		Rig/Platform Name/Num: 55 #580-461-0844	
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	07/21/2009 21:00							
Pre-Convoy Safety Meeting	07/21/2009 21:45							WENT OVER ROUTE WITH PUMP OPERATOR. WE WILL STOP ALONG THE WAY TO STRETCH LEGS AND REFRESH
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Depart from Service Center or Other Site	07/21/2009 22:00							
Arrive At Loc	07/22/2009 01:45							WENT OVER NUMBERS WITH PRESON HERSKELL CO MAN
Pre-Rig Up Safety Meeting	07/22/2009 02:00							ROUTES OF HOSES AND IRON
Rig-Up Equipment	07/22/2009 02:05							
Standby - Other - see comments	07/22/2009 02:45							RUNNING CASING
Other	07/22/2009 05:30							STAB HEAD
Pre-Job Safety Meeting	07/22/2009 06:30							ALL HALLIBURTON AND RIG HANDS PRESENT
Pump Cement	07/22/2009 06:40		2		6		50.0	PUMP CEMENT TO FILL MOUSE HOLE POZ PREMIUM 13.5
Pump Cement	07/22/2009 06:50		2		9		50.0	PUMP CEMENT TO FILL RAT HOLE POZ PREMIUM 13.5
Pressure Test	07/22/2009 07:00						4500.0	4500 PSI
Pump Cement	07/22/2009 07:10		6		60		350.0	PUMP CEMENT POZ PREMIUM 13.5

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Sold To #: 348223

Ship To #: 2735065

Quote #:

Sales Order #:

6795068

SUMMIT Version: 7.20.130

Wednesday, July 22, 2009 08:30:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Clean Lines	07/22/2009 07:20							CLEANED MIXING TUBS AND PUMPS AND LINES
Drop Plug	07/22/2009 07:30							4 1/2 PLUG PLUG LEFT HEAD
Pump Displacement	07/22/2009 07:31		8		90		550.0	FRESH WATER
Slow Rate	07/22/2009 07:54		2		13		975.0	
Bump Plug	07/22/2009 08:00						1550.0	
Check Floats	07/22/2009 08:03							FLOATS HELD
Pre-Rig Down Safety Meeting	07/22/2009 08:10							ALL HALLIBURTON HANDS PRESENT
Rig-Down Equipment	07/22/2009 08:15							
Depart Location Safety Meeting	07/22/2009 09:00							ROUTE BACK TO SERVICE CENTER
Depart Location for Service Center or Other Site	07/22/2009 09:15							

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Quote # :

Sales Order # :

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SUMMIT Version: 7.20.130

Wednesday, July 22, 2009 08:30:00