Form ACO-1 September 1999 ORIGINAL Form must be Typed

WELL COMPLETION FORM

CONFIGNATION OF WELL & LEASE

Operator: License # 5278 DL1 11 TIL	API NO. 15- 189-22670-00-00
Name: EOG Resources, Inc.	County Stevens
Address 3817 NW Expressway, Suite 500	- <u>NF</u> - <u>NF</u> - <u>NF</u> Sec. <u>20</u> Twp. <u>31</u> S. R. <u>35</u> DE[X] W
City/State/Zip Oklahoma City, OK 73112-1483	330 Feet from Section
Purchaser: Teppco	Feet from (circle one) Line of Section
Operator Contact Person: Malinda Crall	Footages Calculated from Nearest Outside Section Corner:
Phone (405) 246-3170	(circle one) NE SE NW SW
Contractor: Name: KENAI MID-CONTINENT, INC. License: 34000	Lease Name Cullison Well# 20 #1
Wellsite Geologist: MAR 1 6 2003	Producing Formation Mississippian
Wellsite Geologist: MAK 102 Designate Type of Completion KCC WICHITA	Elevation: Ground 3009 Kelley Bushing 3021
X New Well Re-Entry Workover	Total Depth 6200 Plug Back Total Depth 6154 Est.
SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? Yes X No
Dry Other (Core, WSW, Expl., Cathodic, etc.)	If yes, show depth setFeet
If Workover/Reentry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tow/sx cmt.
Well Name:	Drilling Fluid Management Plan
Original Comp. Date Original Total Depth	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content 4000 ppm Fluid volume 1000 bbls
Plug Back Total Depth	Dewatering method used <u>Evaporation</u>
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name
Other (SWD or Enhr?) Docket No	Lease NameLicense No
11-17-08 11-23-08 12-24-08	Quarter Sec Twp S R E _ V
Spud Date or Date Reached TD Completion Date or Recompletion Date	County Docket No
Kansas 67202, within 120 days of the spud date, recompletion, wo Information on side two of this form will be held confidential for a per 82-3-107 for confidentiality in excess of 12 months). One copy of all CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with	rith the Kansas Corporation Commission, 130 S. MarkeT - Room 2078, Wichita, rkover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. riod of 12 months if requested in writing and submitted with the form (see rule I wireline logs and geologist well report shall be attached with this form. ALL th all plugged wells. Submit CP-111 form with all temporarily abandoned wells.
All and demands of the east to make and an eletion are an elected to an	
Signature TWAL Ma Chall	guiate the chiland gas industry have been fully compiled with and the statements
	10/09 # 00008022 F
Subscribed and swom to before me this 10th day of March	EXP. 08/29/12\ Letter of Confidentiality Attached
20 09	Wireline Log Received
Notary Public	Wireline Log Received Geologist Report Received UIC Distribution
Date Commission Expires 6-26-20/2	UIC Distribution

Date Commission Expires

N///A	

Operator Name EOG R	Resources			Lease Nam	e <u>Cullison</u>		Well#	20 #1
- 20 - 21	25	☐ East [文]	1 10/001	County 5	Stevens			**
INSTRUCTIONS: Sho tested, time tool open a temperature, fluid reco	w important to and closed, flow overy, and flow	ps and base of ing and shut-in p rates if gas to	ressure: surface	tions penetrated. s, whether shut-in e during test. Atta	Detail all ∞ pressure read	ned static level, h	ydrostatic p	ressures, bottom hole
			en site i	epon.				
Drill Stem Tests Taken (Attach Additional Sh	eets.)	Yes] No	□ Log	I	Formation (Top), [Depth and D	atums Sample
Samples Sent to Geolog	ical Survey	X Yes] No	Name		Тор	Da	itum
Cores Taken	\	☐ Yes 🔯] No \	\				
Electric Log Run (Submit Copy.)	\	V X Yes □] No	See Attac	ned			
List All E.Logs Run:								
Borehole Sonic Ari Spaced Neutron Mic Resistivity Log, / Microlog, Spectra	crolog. Arra Annular Hole	y Compensated Volume Plot,	d •					
		CASING RE		New X U				
	T	· ·		, surface, intermed	T .	·	· · · · · ·	
Purpose of String	Size Hole Size Casing Drilled 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	Midcon - 2	300	See attached
						Prem Plus	180	See attached
Production	<u> 1 7-7/8</u>	5-1/2 ADDITIO	ONAL C	15.5 EMENTING/SQUE	1 6200 EZE RECORD	Poz PP	130	See attached
Purpose Perforate	Depth Top Bottom	Type of Ce	ement	#Sacks Used		Type and Pe	rcent Additiv	/es
Protect Casing Plug Back TD Plug Off Zone								
Shots Per Foot		RECORD - Bridg age of Each Inter				e, Shot, Cement S Kind of Material L		ord Depth
4	5968-5989				Frac w/ 5	69M# proppant	and 47,4	60
					gals. 30#	borate cross	linked	gel.
<u> </u>				<u> </u>				
TUBING RECORD	Size 2-7/8	Set At 5948		Packer At N/A	Liner Run	☐ Yes [X]	No	
Date of First, Resumed			Produc	cing Method				
12-24-08		1		 			er (Explain)	
Estimated Production Per 24 Hours	Oil 27	1.	sas N/A	Mcf. Water	er Bbls.	Gas-Oil F N/A	Ratio	Gravity 41.20
Disposition of Gas:	METHOD (OF COMPLETION				Production Interv	⁄al	
Vented Sold	Used on Lo	ease 🔲	Open H	ole X Perforation	Dually C	omp. Commin	gled	
(If vented, submit A	ICO-18.)		Other (Specify)				

ACO-1 Com	pletion Report										
Well Name : Cl	JLLISON 20 # 1										
FORMATION TOP DATUM											
WABAUNSEE	3287	-266									
BASE OF HEEBNER	4100	-1079									
LANSING	4211	-1190									
MARMATON	4899	-1878									
ATOKA	5342	-2321									
MORROW	5477	-2456									
CHESTER	5786	-2765									
ST GENEVIEVE	6010	-2989									

KCC FEB 0 9 2009 CONFIDENTIAL

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

March 9, 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

CULLISON 20 #1

API No. 15-189-22670-00-00

Dear Sir or Madam:

EOG Resources, Inc. respectfully requests that all electric logs, test data, 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,

Malinda Crall

Regulatory Sr. Operations Assistant

Enclosures

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Cementing Job Summary

				The Roa	d to Ex	cellen			th S	afety						
Sold To #: 3		<u> </u>	Ship To	o#: 269	6724		Qu	ote#:				Sale	s Ord	ier #	: 6324	857
Customer:		DURCE	S INC E	BUSINE			Cu	stomer	Rep	: Pas	sig, Dale	 }				<u> </u>
Well Name:	Cullison				Well #							UWI #:			·-····································	
Field:		<u> Ci</u>	ty (SAP)			Coun	ty/Pa	rish: S	teve	ns		Stat	e: Ka	nsas	 S	
Contractor:				Rig/P	latform	n Name	e/Nur	n: 55	#58	30-46	-0844					
Job Purpos																
Well Type: [Гуре: С											
Sales Perso	on: BLAKE	Y, JOS	EPH	Srvc ROS	Superv COE						MBU ID	Emp#	: 106	3154		
			<u></u>			Job P										
HES Emp		Exp Hrs	 		ES Emp			xp Hrs	Em	ıp#	HES	Emp N	ame	E	xp Hrs	Emp#
FERGUSON ROSCOE G		11.5	106154	FOUF	RZAN, C	ARLOS		11.5	449	384	MENDO	ZA, VIC	TOR		10.75	442596
RODRIGUE EDGAR A	Z,	10.75	442125									•		\neg		
			1			Equi	pme	nt L			-					
HES Unit #	Distance-1	way	HES Uni	t# Dista	nce-1 w		-	S Unit	i Di	istance	-1 way	HES	Unit:	# 15	istance	1 14014
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6612	30 mile				D05			30 mile		HTR1			30 mile	· · · · · · · · · · · · · · · · · · ·		
	····			I		Job	Hour		L		····	1			oo mae	
Date	On Location	7 0	perating	Date	О	n Locat		Opera	ine		Date	On	Locati	ion		erating
	Hours		Hours			ours		Hours		Julio	Hot		Or,		Hours	
11-18-08	10.5		2	<u> </u>												
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ormation De		ool		in-	<u> </u>			<u> </u>				ite	_	ime		ne Zone
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ob depth MD	-	620. ft		Depth T	VD	162	n n	Job St			18 - No			3:30		CST
Vater Depth				Ht Above		4.		Job C			18 - No			1:23		CST
erforation De	pth (MD) F	rom		То		·		Depart			19 - No			3:03 1:00		CST CST
						Well	Data				10 - 110	- 2000	1_0	1.00		COI
Description	New / Used	Max pressi psig	ure in	ID in	Weig Ibm/		T	hread		Gı	ade T	op MD ft	Bott	D	Top TVD	Bottom TVD
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Surface Casing	Unknow	,	8.62									- : -	162			
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ILLUP ASSY -						-	····			++	EA					·
ENTRALIZER										9	EA				- 120	260
LP,LIM,8 5/8,F						···				1	EA			1.12		
ASKET - CEM			12 1/4			··-				++	EA			1	<u> 803</u>	2033
LUG,CMTG,T	OP,8 5/8,HV	VE,7.20	MIN/8.09	MA						1	EA	- -		444	A.BIT	بروهوتي
						· . <u></u>				<u>.i'</u>	i Ev			6	(!! "J")	MIKE

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MAR 1 6 2009
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Summit Version: 7.20.130

Cementing Job Summary

							Tools	s and A	cces	sories	;					,		
	ype	Size	Qty	Make	Depth		Siz	e Qt	y M	lake	Depth	T	Туре	Siz	e	Qty	·	Make
	Shoe		1			Packer						Top	Plug	<u></u>		_ 	 † ⋅	
	Shoe			<u> </u>		Bridge Plug							om Plug					
	Collar			i	~ =	Retainer						SSR	plug set					
	Float		1										Containe	r		1	— † -	
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Fluid	tage/P	ge Tyr				.t.d \$1		 ,	-	1			·····					
#	Stag	ge iyt			FIL	ild Name			Qty	Qty uom	Der	cing nsity n/gal	Yield ft3/sk	Mix Flui Gal/sk		,		l Mix Gal/si
1	Lead	Ceme		WIDCON BM (150		NT PREMIUI	W PL	JS - 3	300.0	sack		1.4	2.96	18.14	 		18	.14
	3 %	6				RIDE - HI TES	T PE	LLET (1	00005	053)					_!			
	0.25 (bm				101216940)												
	0.1	%				(100003623)												
	18.138	Gal		RESH V		.,,										· .		
2	Tail C	ement		OMT - PF		PLUS CEME	NT	1	80.0	sack	3 14	8.1	1.34	6.32			6.3	32
	94 lb	m	(MT - PF	REMIUM	PLUS - CLAS	SCF	REG OR	TYPE	III. BU	LK (10	00122	205)		_L			
	6.324	Gal		RESH V											 -			
•	2 %)	(CALCIUM	CHLOR	RIDE - HI TES	T PEI	LET (10	000050	053)		-						
	0.25	bm	F	OLY-E-I	LAKE (101216940)						-			-			
3	Displa	ceme			•			111	01.00	bbl	8.	33	.0	.0	.0			
Ca	alculate	ed Va	lues	··· - I	Pres	sures	7						olumes			Ш.		
	cement		100.27	Shut	in: Insta		Lo	st Retu	ms	T	Ceme			201	Pad	<u> </u>		
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Rates															1.00	<u> 00.</u>		301
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Cementing Job Log

The Road to Excellence Starts with Safety Sold To #: 348223 Ship To #: 2696724 Quote #: Sales Order #: 6324857 **Customer: EOG RESOURCES INC EBUSINESS** Customer Rep: Passig, Dale Well Name: Cullison Well #: 20-1 API/UWI #: Field: City (SAP): MOSCOW County/Parish: Stevens State: Kansas egal Description: .at: 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: FERGUSON, MBU ID Emp #: 106154
ROSCOE

Activity Description	Date/Time	Cht	Rate bbl/ min	-	lume obl		sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	11/18/2008 10:15							CALLED BY DISPATCH
Pre-Convoy Safety Meeting	11/18/2008 11:45							DISCUSS ROUTE, ROAD HAZARDS, PLANNED STOPS,ETC.
Arrive at Location from Service Center	11/18/2008 13:30							RIG STILL DRILLING
Assessment Of Location Safety Meeting	11/18/2008 13:40							LOOK OVER LOCATION DECIDE WHERE TO SPOT TRUCKS & HOW TO RIG UP, LOOK FOR POTENTIAL HAZARDS
Start Out Of Hole	11/18/2008 15:00			REC	EIVED			WITH DRILL PIPE
Start In Hole	11/18/2008 17:20			MAR	9 6 2009			WITH 8 5/8" CASING
Casing on Bottom	11/18/2008 20:50			KCC	WICH	TA	***************************************	PUT ON PLUG CONTAINER, HOOK UP MUD LINE SO RIG CAN CIRCULATE
Safety Meeting - Pre Job	11/18/2008 21:05				K	CC	· ·	WITH RIG CREW
Start Job	11/18/2008 21:23				FEB û		•	
Test Lines	11/18/2008 21:26				CONF		412	3000 PSI
Pump Lead Cement	11/18/2008 21:34		6.5	158			90.0	300 sks MIDCON-2 CEMENT MIXED @ 11.4 ppg
Pump Tail Cement	11/18/2008 22:02		6.5	43			150.0	180 sks PREMIUM PLUS CEMENT MIXED @ 14.8 ppg
Drop Top Plug	11/18/2008 22:16							

Sold To #: 348223

Ship To #:2696724

Quote #:

Sales Order #:

6324857

SUMMIT Version:

7.20.130

Tuesday, November 18, 2008 11:50:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min	_	ume bl	1	sure sig	Comments	
		#		Stage	Total	Tubing	Casing		
Pump Displacement	11/18/2008 22:17		4.3	80.27			345.0	FRESH WATER	
Shutdown	11/18/2008 22:42		0				500.0	WAIT 5 MIN, PRESSURE FELL TO 240 PSI	
Resume	11/18/2008 22:47		2	10	90.27		460.0		
Shutdown	11/18/2008 22:53						510.0	STAGE CEMENT, PRESSURE FELL TO 300 PSI	
Resume	11/18/2008 22:56		2	10	100.2 7		525.0		
Bump Plug	11/18/2008 23:00		2				550.0	PRESSURED UP TO 1150 PSI	
Check Floats	11/18/2008 23:02						-	HELD	
End Job	11/18/2008 23:03							THANKS FOR CALLING HALLIBURTON	
Safety Meeting - Pre Rig- Down	11/18/2008 23:05							REMIND EVERYONE TO WATCH OUT FOR TRIP HAZARDS, PROPER LIFTING, LINE OF FIRE, ETC.	
Rig-Down Equipment	11/18/2008 23:10								
Depart Location for Service Center or Other Site	11/19/2008 01:00								

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Sold To #: 348223

Ship To #:2696724

Quote #:

Sales Order #:

6324857

SUMMIT Version:

7.20.130

Tuesday, November 18, 2008 11:50:00

Summit Version: 7.20.130

Cementing Job Summary

<u> </u>					The	Road	to E	xceller	ice St	tarts	with S	afetv					
Sold To				Shi	D To#:	: 269F	372 4		Qu	ote #	:			Sale	s Order	#: 633	0170
Custome	r: EO	G RES	SOURC	ES INC	EBUS	INES	S					: Pas	sig, Dale		- Ordel	#. 033	91/0
Well Nan	ne: Cu	ıllison					Well	#: 20-1						JWI #:			
Field:	·			City (SA	AP): M	osco	W		tv/Pa	rish:	Stever	ns.	- PENC		e: Kans		
Contract					<u> </u>	Rig/PI	atfon	m Nam	e/Nun	n: 55	458	<u> </u>	-0844	State	e. Nans	as	
Job Purp	ose:	Ceme	nt Proc	luction (Casing					00	, ,,,,,,	0-10	-0044				
Well Type	e: Dev	/elopm	ent We	ell	- 4	Job Ty	/ne· (Cement	Produ	uction	Cacin		 -				
Sales Per						Srvc S	uner	visor:	CDA	/EC	ICDEM						
							орсі	Job P	OFFICE	ES,	JEKEN	1 4	MBU ID	mp #:	39915	5	
HES E	mp Na	ame	Ехр Н	rs Em	p#	HE	S Emi	p Name				"					
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ROSCOE									- 1	12.0	3991	35	HAYES, C	RAIG	Н	12.5	449385
MUNOZ,	AGUS	TIN	12.5	4578	845	PARUZ	INSKI	I, JOHN	1	12.5	4413	80			·	 	
			┸			Harriso	<u>n</u>			_		-				!	
MCC II-14	4 6							Equ	pmer	nt						l	·
HES Unit 10219237		istance) mile	-1 way		Unit#	Dist	ance-	-1 way		S Uni		istan	ce-1 way	HES	Unit #	Distar	ice-1 way
				10243		30 m			104	15642		0 mile		10825		30 mile	
75821	30) mile		D013	1	30 m	le										
								Joh	Hour						·		
Date	O	n Loca	tion (Operatir	ng	Date		On Loc			perating	,	Date		1		
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OTAL									Total is	s the s	sum of e	ach c	olumn sep	arately			
		,		Job						Τ				b Time			
ormation										<u> </u>		т_	Date		Time	- Ti	-
ormation	Depth	(MD)	Тор			Bott	om			Calle	ed Out		24 - Nov		07:3		me Zone CST
orm Type					BHST						ocation	,	24 - Nov		10:3		CST
ob depth I		<u> </u>	62000. 1		lob Dep			6200	00. ft		Started		24 - Nov		08:4		CST
ater Dept		<u> </u>			Vk Ht A	bove F	loor	4.	ft		Comple		24 - Nov -		22:0		CST
erforation	Depth	(MD)	From			То				Depa	inted Lo)C	24 - Nov -		23:00		CST
			-, <u>-</u>					Well	Data			<u>-</u> -			1 20.0.	<u> </u>	001
Descript	ion	New			Size	1D	Weig	ght	Th	read		Gra	ade To	D MD	Bottom	Top	Bottom
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UG,CMTG			WF 4 3	R MINI/E	00 846							1	EA	<u> </u>			· · · · · · · · · · · · · · · · · · ·
LLAR-ST)P-5 1	/2°_\A//	1068	C MILIANS.	US IMA			CC W	HOLL	ITA.		_1_	EA			EBU	e zooe
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de Shoe	0 /2			1	Bridge	Plug	i						om Plug	- 			rico
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ide Shoe at Shoe at Collar ert Float ge Tool		1	HES	6158								SSR	plug set Container				

Monday, November 24, 2008 22:42:00

Cementing Job Summary

					Mis	scelland	ous Ma				• • • • • • • • • • • • • • • • • • • •			,
	g Agt		Conc		Surfacta			Conc	Acid	l Type		Qty	Con	C S
reatn	nent Fld		Conc		Inhibitor			Conc	San	d Type		Size	Qty	
	 		 , ,			Flu	id Data							
	tage/Plug		,											
Fluid #	Stage T	ype		Fluid I	Name		Qty	Qty uom	Mixing Density ibm/gal	Yield i ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Fluid C	
1	Primary C		POZ PREM (14239)	IIUM PLU:	S 50/50 - SE	3M	130.0	sacks	13.5	1.66	8.06		8.0	16
	6%		CAL-SEAL	60, 50 LB	BAG (1012	17146)	<u></u>	L						
	10 %		SALT, BULI	K (100003	695)									
	2 lbm		PRESSUR	SEAL LC	1 - FINE, BL	JLK (101	432901)							
	0.6 %		HALAD(R)-	344, 50 LE	3 (10000367	' 0)								
	0.5 %		D-AIR 3000	(1010074	46)									
	8.063 Gal		FRESH WA	TER										
	0.1 %		WG-17, 50	LB SK (10	0003623)									
2	Displacen						147.00	bbl		.0	.0	.0		
1	67 lbm/Mga	al J	POTASSIU	W CHLOR	IDE 7% (10	0001585)		*			I		
	1 ppb		SUGAR - G	RANULAT	ED, 10 LB	BAG (10	1507884)						
3	Mouse an	d Rat	POZ PREM	IUM PLUS	50/50 - SB	M	25.0	sacks	13.5	1.66	8.06	1	8.0	6
	Hole		(14239)						<u> </u>					
	6 %		CAL-SEAL			17146)			···					
	10 %		SALT, BULK		<u> </u>									
	2 lbm 0.6 %		PRESSUR S				432901)							
	0.5 %		HALAD(R)-3			0)								
	8.063 Gal		D-AIR 3000 FRESH WA	<u> </u>	40)							<u>.</u>		
	0.1 %		WG-17, 50 L		0003633)									
C-	Iculated V		17, 30 (1		···						
	ement	147	Shut In:	Pressur	es					olumes			· ,	
-	Cement	4957		IIIStant		Lost Re	Returns		Cement SI		45	Pad	_	
_1	radient	7007	15 Min			Spacers		0	Actual Dis			Treatm		
	1.		10 11111	<u>.</u>	,	· ·	ates	<u> </u>	Load and	breakdowi	<u> </u>	Total Jo	י מכ	192
ircula	ating	5	1	Aixing	T 6		Displac	ement	5		Avg. Jo	h	5	 _
	ent Left In I	Pipe			son Shoe				, ,		~+y. v0			
rac R	ing # 1 @			c ring # 2			Frac Rin	a#3@	ID	Fr	ac Ring #	460	ID	Г
The	e Informa	ation S	Stated He	rein Is C	Correct		er Represe							L

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Cementing Job Log

The Road to Excellence Starts with Safety Sold To #: 348223 Ship To #: 2696724 Quote #: Sales Order #: 6339178 Customer: EOG RESOURCES INC EBUSINESS Customer Rep: Passig, Dale Well Name: Cullison Well #: 20-1 API/UWI #: Field: City (SAP): MOSCOW County/Parish: Stevens State: Kansas egal Description: .at: 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 Srvc Supervisor: GRAVES, JEREMY MBU ID Emp #: 399155 Rate Pressure Volume **Activity Description** Date/Time Cht bbl/ psig Comments bbl min # Stage Tubing | Casing Total Call Out 11/24/2008 PRE TRIP TRUCKS 07:30 Pre-Convoy Safety Meeting 11/24/2008 JOURNEY 08:30 MANAGEMENT AND SPOT AUDIT Arrive at Location from Service 11/24/2008 feb od zome Center 10:00 Assessment Of Location 11/24/2008 CONFIDENCAL SPOT TRUCKS AND Safety Meeting 10:30 TALK WITH COMPANY MAN ABOUT **CALCULATIONS: PULLING DRILL PIPE OUT OF HOLE** Rig-Up Equipment 11/24/2008 PUMPING LINES 11:00 RECEIVED Running In Hole 11/24/2008 5 1/2 15.5# CASING 12:30 MAR 1 6 2009 Casing on Bottom 11/24/2008 RIG UP CMT HEAD 19:30 AND CIRC FOR 1 1/2 KCC WICHITA **HOURS** Pre-Job Safety Meeting 11/24/2008 **GIVEN BY JEREMT** 20:30 **GRAVES** Start Job 11/24/2008 20:54 **Pump Cement** 11/24/2008 4 4 PUMP 4 BBLS INTO 20:55 RAT HOLE Pump Cement 11/24/2008 4 3 7 70.0 **PUMPM 3 BBLS INTO** 20:59 **RAT HOLE Test Lines** 11/24/2008 3500. **TEST LINES TO** 21:06 0 3500PSI Pump Cement 11/24/2008 38 30.0 PUMP 38 BBLS MIXED 21:09 @ 13.6# Drop Plug 11/24/2008 45.0 HES TOP PLUG 21:31 Clean Lines 11/24/2008 22.0 **CLEAN LINES TO PIT** 21:32

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Monday, November 24, 2008 10:42:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbi/ min	Volume bbl		Pressure psig		Comments
	*	#		Stage	Total	Tubing	Casing	
Pump Displacement	11/24/2008 21:33			137			164.0	147BBLS OF KCL WATER
Displ Reached Cmnt	11/24/2008 21:47		6				285.0	
Slow Rate	11/24/2008 21:53		2	10	147		610.0	SLOWED TO 2BBLS PER MIN
Bump Plug	11/24/2008 22:02						800.0	BUMPED PLUG AT800PSI TOOK 500 OVER
Check Floats	11/24/2008 22:03						•	RELEASED PRESSURE FLOATS HELD GOT BACK 1 BBL
End Job	11/24/2008 22:04							THANKS FOR CALLING HALLIBURTON
Pre-Rig Down Safety Meeting	11/24/2008 22:15						····	GIVEN BY JOHN PARUZINSKI
Rig-Down Equipment	11/24/2008 22:30							PUMPING LINES AND BLOW DOWN TRUCK
Depart Location for Service Center or Other Site	11/24/2008 23:00							JOURNEY MANAGEMENT



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