ORIGINAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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KANSAS CORPORATION COMMISSION ACO-1
September 1999

SEP 2 5 2007

OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION WICHITA, KS

UIC Distribution

Operator: License # 5278	API NO. 15- 175-22090-0000
Name: COG Resources, Inc.	County SEWARD
Address 3817 NW Expressway, Suite 500	
City/State/Zip Oklahoma City. Oklahoma 73112	Feet from S(N) circle one) Line of Section
Purchaser: N/A	1320 Feet from E/W (circle one) Line of Section
Operator Contact Person: DAWN ROCKEL	Footages Calculated from Nearest Outside Section Corner:
Phone (405) 246-3226	(circle one) NE SE NW SW
Contractor: Name: AREDCOMRIE DTD INC. 20 2 4 2001	Lease Name CLIFTON Well# 16 #1
License: 30684 CONFIDENTIAL	Field Name
Wellsite Geologist:	Producing Formation N/A
Designate Type of Completion	Elevation: Ground 2839 Kelley Bushing 2851
X New Well Re-Entry Workover	Total Depth 6375 Plug Back Total Depth N/A
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? Yes X No
Ory Other (Core, WSW, Expl., Cathodic, etc.)	If yes, show depth set
If Workover/Reentry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth to w/ sx cmt.
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve II)
Original Comp. Date Original Total Depth	
Deepening Re-perf Conv. to Enhr./SWD	Chloride content 4000 ppm Fluid volume 1000 bbls
Plug BackPlug 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
7/19/07 7/26/07	Quarter Sec Twp S R E [] W
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 pe 82-3-107 for confidentiality in excess of 12 months). One copy of al CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with the complete statement of the complete s	with the Kansas Corporation Commission, 130 S. MarkeT - Room 2078, Wichita, inkover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Find of 12 months if requested in writing and submitted with the form (see rule II wireline logs and geologist well report shall be attached with this form. ALL thall plugged wells. Submit CP-111 form with all temporarily abandoned wells. Gulate the oil and gas industry have been fully complied with and the statements
Title SR OPERATIONS ASSISTANT Date 9/	
Subscribed and sworn to before me this	Letter of Confidentiality Attached If Denied, Yes Date:
Subscribed and sworn to before me this <u>24th</u> day of <u>Septender</u> 20 01. Notary Public Welling Atturn ### ################################	Wireline Log Received
Notary Public WWWW II !#	Geologist Report Received

10/24/2010

Date Commission Expires

Side Two

Operator Name EOG R	RESOURCES, IN	<u>VC.</u>	Lease Nam	e <u>CLIFTON</u>		Well #	16 #L
Sec. 16 Twp. 33	s.R. 33	☐ East 💢 West	County _	SEWARD			•
INSTRUCTIONS: Sho tested, time tool open a temperature, fluid reco Electric Wireline Logs s	w important top and closed, flow overy, and flow	ing and shut-in pressure rates if gas to surfac	es, whether shut-in e during test. Atta	pressure reacl	ned static level, h	ydrostatic p	ressures, bottom hole
Drill Stem Tests Taken (Attach Additional St	neets.)	Yes X No	X Log	ı	Formation (Top), [Depth and D	atums Sample
Samples Sent to Geolog	ical Survey	X Yes No	Name		Тор	Da	atum
Cores Taken		Yes X No		•.			
Electric Log Run (Submit Copy.)		X Yes No	SEE ATTACI				
List All E.Logs Run: RESISTIVITY, MICRO DENSITY NEUTRON		EUTRON MICRO,		· •	· •		
DENSITY NEUTRON,	i. www.yg						
Purpose of String	Repor Size Hole Drilled	CASING RECORD t all strings set-conducto Size Casing Set (In O.D.)	- سا		n, etc. Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4	8 5/8	<u> 24#</u>	1700	PP III	300 180	SEE CMT TIX
					Fr	100	
	I	ADDITIONAL (CEMENTING/SQUE	EZE RECORD			
Purpose Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Pe	rcent Additi	ves
Shots Per Foot		RECORD - Bridge Plug age of Each Interval Per		1	re, Shot, Cement S I Kind of Material U	•	Depth
TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes 🗓	No	
Date of First, Resumed	Production, SV	VD or Enhr. Produ	ucing Method	umping G	as Lift Othe	er (Explain)	******
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	er Bbls.	Gas-Oil F	Ratio	Gravity
L Disposition of Gas:	METHOD C	DF COMPLETION			Production Interv	/ai	
☐ Vented ☐ Sold	Used on Le	ease 🔲 Open l	Hole Perforation	Dually C	omp. Commin	gled	
(If vented, submit A	ACO-18.)	☐ Other	(Specify)		<u> </u>		

ACO-1 Well Name : CLIFTON 16 #1											
FORMATION	TOP	DATUM									
	1150	1004									
base of heebner	4152	-1301									
lansing	4371	-1520									
marmaton	5046	-2195									
atoka	5417	-2566									
chester	5800	-2949									
		1									

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SEP 2 5 2007

CONSERVATION DIVISION WICHITA. KS



CONFIDENTIAL

Cementing Job Summary

The Road to Excellence Starts with Safety

						ne noau		CCIICI	100 31	iai io vi	יוווי סנ	aicly								
Sold To #:	3021	22		Shi		#: 30212				ote #:					Sales	Ord	er #:	5247	771	
Customer:	EOG	RESC	DURCE	SIN	C				Cu	stome	r Rep	: HEI	SKEL							
Well Name	: Clift	on				M	/ell #	: 16#						PI/UV						
Field:			C	tv (S	AP):	UNKNOW				rish: S	Stever	ıs			State	· Kar	sas			
Contractor	r: AB	ERCR				Rig/Pla									<u> </u>	- ra	1040			
Job Purpo					sina	1. 1. 3														
Well Type:					<u>.</u>	Job Tyr	e. C	emen	Surfa	ice Ca	eina									
Sales Pers						Srvc Su						MV	MPII	ID Er	nn #.	200	220			
<u>Gales i ere</u>		<i>,</i> , , , , , ,	. 1 , 000	<u> </u>		0.70 00	per v		Person			VII	IVIDU	ID EI	iip #.	299	920			
HES En	ın Nar	ne	Exp Hr	s Fr	np#	HES	Fmn	Name		xp Hrs	Em	n# T		ES Er	nn Na		E	n Una		4
ARNETT,			10.0		3567	BEASLE				10.0	2999			D, JOH		me		p Hrs 0.0	3614	p #
OLDS, RO			10.0		3196	-					2000	-	D	J, 001	1147				3012	+1/
0230,110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	10.0	1 000				F			L						Ш.,			
HES Unit #	L Dia	10000	4	исс	11-2	M Diete			ipme											
HES Unit #	DIS	tance	-1 way	HES	Unit	t# Dista	nce-	way	HE	S Unit	# L	istan	ce-1 v	vay	HES	Unit #		Distan	<u>ce-1 v</u>	vay
				<u> </u>					<u> </u>		L_									
					•	 			Hou											
Date	1	Locati Hours		perat Hour	_	Date			cation urs		eratin	_	D	ate	Or	Loca			perati	
		nours		noui	3		-	по	urs		Hours					Hour	<u>'S</u>	-	Hours	<u> </u>
TOTAL						l			Total	is the s	um of	each (colum	n cono	rataly					
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Formation N	lame		hai i mai ha		<u> </u>	<u> </u>		3					<u> </u>	Date		····	me	Tie	ne Zo	
Formation D		MD)	Гор			Botto	m			Calle	d Out		21 -	Jul - 2			3:00	 '''	CST	TIE
Form Type	•	—— , <i>f</i> . l,			BHS						ocatio			Jul - 2			0:00	<u> </u>	CST	
Job depth M	ID		1700. ft		Job	Depth TVD 1700. ft Job Started							Jul - 2			3:00	+	CST		
Water Depth					Wk	Ht Above F					Jul - 2	2007		:00	 	CST				
Perforation	Depth	(MD)	rom			То				Depa	rted L	ОС	22 -	Jul - 2	2007	06	3:00		CST	
									II Data	3										
Descripti	on	New /			Size		Weig		T	hread		Gr	ade	Тор	MD	Botte	om	Тор	Bott	tom
		Used		1	in	in	lbm/	fft						f	t	ME	- 1	TVD	TV	
Surface Hole			psi	9		12.25						 		ļ		ft		ft	ft	<u>t</u>
Surface Casi		New			8.625		24.					-		<u> </u>	•	170				
ourrace cas	<u>9 1</u>	11011		<u>-</u>	0.020				/3rd D	arty (H	EG/		31		• — 1	170	<u>U. </u>			
				D	escri	iption	1001	Cina	10 10	aity (ii	<u> </u>	Qty		uom	Dep	*b				
SHOE,CSG,1	IGER	TOOT	H.8 5/8							 ·		1		EA	Det	-		Supp	iler	
CLR,FLT,TR							·					+ +		-^ EA		\dashv				
AUTOFILL K				<u>-</u>								1		Ā		-+				
CENTRALIZE				3 CSG	X							10		Ā		-				
												1 1		Ā						
BASKET - CE	-MENT					MA						1		A		_				
		3 5/8.H					Tool	e and	Acce	ssorie		<u></u>	<u>, </u>						·-···	
		3 5/8,H	······································					o allu	MUCC	33VI IC:	3 .35	100				————————————————————————————————————		· · · · · · · · ·		
PLUG,CMTG	,TOP,8	· · · · · · · · · · · · · · · · · · ·		Den	th			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ts.		Dont	h	T		_ C	!	_	Mar -		1
PLUG,CMTG Type			Make	Dep		Туре	Size	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ty I		Dept		Typ			ze		lty EI√a	Mal	
PLUG,CMTG Type Guide Shoe	,TOP,8	· · · · · · · · · · · · · · · · · · ·		Dep	P	Type acker		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ty I		Dept	Тор	Plug						-	
Type Guide Shoe Toat Shoe	,TOP,8	· · · · · · · · · · · · · · · · · · ·		Dep	P B	Туре		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ty I		Dept	Top Bot	Plug tom F	lug		NSAS C	ORPO	CIVE	D COMMIS	
Type Guide Shoe Float Shoe Float Collar	,TOP,8	· · · · · · · · · · · · · · · · · · ·		Dep	P B	Type acker ridge Plug		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ty I		Dept	Top Bot SSF	Plug tom F R plug	lug set	KA	NSAS C	ORPO	CIVE	D COMMIS	
Type Guide Shoe Float Shoe Float Collar nsert Float	,TOP,8	· · · · · · · · · · · · · · · · · · ·		Dep	P B	Type acker ridge Plug		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ty I		Dept	Top Bot SSF Plu	Plug tom F Plug g Con	lug set tainer	KA	NSAS C	ORPOI	SATION	D соммі: 107	
Type Guide Shoe Float Shoe Float Collar nsert Float	,TOP,8	· · · · · · · · · · · · · · · · · · ·		Dep	P B	Type acker ridge Plug etainer	Size	e Q		Vake		Top Bot SSF Plug Cer	Plug tom F R plug g Con traliz	Plug set tainer ers	KA	NSAS C	ORPOI	RATION 2 5 20	D соммі: 107	
Type Guide Shoe Float Shoe Float Collar nsert Float Stage Tool Gelling Agt	,TOP,8	· · · · · · · · · · · · · · · · · · ·			P B	Type acker ridge Plug etainer	Size	e Q			S	Top Bot SSF Plu Cer	Plug tom F R plug g Con traliz	Plug set tainer ers	KA	NSAS C	EP 2	25 20	D соммі: 107	

Summit Version: 7.20.130



Cementing Job Summary

2.3	de aktibe	1.00				Flu	id Data				and the same of th	3 3 N N 1 1	and the second
S	age/Plug	#: 1					75,44.7		4.5				
Fluid #	Stage T	уре		Fluid Nam			Qty	Qty uom	Mixing Density Ibm/ga	/ ft3/sk			Total Mix Fluid Gal/sl
1	Lead Cem		MIDCON-2 SBM (15079	CEMENT PRI	EMIUM P	LUS -	300.0	sacks	11.4	2.96	18.14		18.14
	3 %		CALCIUM (CHLORIDE - H	I TEST F	PELLET	(1000050)53)					
	0.25 lbm		POLY-E-FL	AKE (1012169	940)	-				••			
	0.1 %		WG-17, 50	LB SK (10000	3623)								
	18.138 Gal		FRESH WA	TER								-	
2	Tail Ceme		CMT - PRE (100012205)	MIUM PLUS (EMENT		180.0	sacks	14.8	1.34	6.32		6.32
	94 lbm		CMT - PRE	MIUM PLUS -	CLASS C	REG	OR TYPE	III, BUL	K (100012	2205)			
	6.324 Gal		FRESH WA	TER					· · · · · · · · · · · · · · · · · · ·			•	100
	2 %		CALCIUM C	HLORIDE - H	TEST P	ELLET	(1000050	53)					
	0.25 lbm		POLY-E-FL	AKE (1012169	40)								
3	Displacem	ent					105.72	bbl	8.33	.0	.0	.0	-
Ca	Iculated V	alues		Pressures					1000	Volumes		\$ 1885 P.S.	
Displac	ement		Shut In:	Instant		Lost Re	turns		Cement :			Pad	
Γop Of	Cement		5 Min			Cement	Returns		Actual D		ent	Treatm	ent
Frac G	radient		15 Min			Spacers	3		Load and	Breakdo	own	Total J	ob
						R	ates						
Circul				Mixing			Displac	ement			Avg. Jo	b	<u> </u>
	ent Left in F			3.11 ft Reason									
Frac R	ing # 1 @		D Fra	c ring # 2 @	10		Frac Rin			D	Frac Ring #	4 @	ID
Th	e Informa	tion	Stated He	rein Is Corı	ect	Custome	er Represe	ntative S	Signature	0			

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SEP 2 5 2007

CONSERVATION DIVISION WICHITA, KS

Summit Version: 7.20.130

Sunday, July 22, 2007 11:18:00



The Road to Excellence Starts with Safe

		The second secon	Ou.o.y
Sold To #: 302122	Ship To #: 30212	22 Quote #:	Sales Order #: 5247771
Customer: EOG RESOUR	RCES INC	Customer Rep	: HEISKELL, PRESTON
Well Name: Clifton		Well #: 16#1	API/UWI #:
Field:	City (SAP): UNKNOW	N County/Parish: Stevens	State: Kansas
Legal Description:			
Lat:		Long:	
Contractor: ABERCROME	BIE Rig/Plat	tform Name/Num: 5	
Job Purpose: Cement Sur	face Casing		Ticket Amount:
Well Type: Development V	Vell Job Typ	e: Cement Surface Casing	
Sales Person: BLAKEY, J		pervisor: BEASLEY, JEREM	MBU ID Emp #: 299920
		Rate	

Activity Description		Cht	bbl/ min	Volume bbi		Pre:	ssure . sig .	Comments
en e		#		Stage	Total	Tubing	Casing	
Safety Meeting - Service	07/21/2007							
Center or other Site	19:00							RECEIVED
Arrive at Location from Other	07/21/2007					ĺ		KANSAS CORPORATION COMMISSION
Job or Site	20:00							
Assessment Of Location	07/21/2007				•			SEP 2 5 2007
Safety Meeting	20:10							
Safety Meeting - Pre Rig-Up	07/21/2007 20:30							CONSERVATION DIVISION WICHITA, KS
Rig-Up Equipment	07/21/2007						<u> </u>	
3 - 1 - 1 - 1 - 1	21:00							
Wait on Customer or	07/21/2007							CASING GOING IN
Customer Sub-Contractor	21:00							HOLE
Equip								
Wait on Customer or	07/22/2007							CASING IN
Customer Sub-Contractor	02:45							HOLE/BEGIN
Equipm								CIRCULATING
Safety Meeting - Pre Job	07/22/2007							
	03:00							
Start Job	07/22/2007							
	03:10							
Test Lines	07/22/2007				1			TEST TO 3000 psi
	03:11							
Pump Lead Cement	07/22/2007		6	158	0		100.0	300 sks @ 11.4 ppg
D. T. I O.	03:12							
Pump Tail Cement	07/22/2007		6	43	158		200.0	180 sks @ 14.8 ppg
	03:31							
Shutdown	07/22/2007		ŀ		201		150.0	
D 7 D	03:40							
Drop Top Plug	07/22/2007 03:41			}				
Pump Displacement	07/22/2007		6	105				
rump displacement	07/22/2007		o	105	0	ļ	50.0	FRESH WATER
Displ Reached Cmnt	07/22/2007		6		05		100.0	
Dispi neached Citifit	07/22/2007		0		25	į	100.0	

Sold To #: 302122

Ship To #:302122

Quote #:

Sales Order #:

5247771

SUMMIT Version: 7.20.130

Sunday, July 22, 2007 11:18:00



CONFIDENTIAL Cementing Job Log

Activity Description	Date/Time	10000	min		ume bi	, p	sure sig	Comments	
And the state of t	4 1 31	#		Stage	Total	Tubing	Casing		
Other	07/22/2007 03:59		2		85		600.0	SLOW RATE TO 2 bpm/STAGE FINAL 20 bbls	
Bump Plug	07/22/2007 04:26		2		105		550.0	PLUG LANDED/TAKE PRESSURE TO 500 OVER	
Pressure Up	07/22/2007 04:27						1100. 0	TEST FLOATS	
Release Casing Pressure	07/22/2007 04:28						.0	FLOAT HOLDING	
Safety Meeting - Pre Rig-Down	07/22/2007 04:30								
Rig-Down Equipment	07/22/2007 04:45								
Rig-Down Completed	07/22/2007 05:00								
End Job	07/22/2007 06:00							THANK YOU FOR CALLING HALLIBURTON	
Call Out	07/22/2007 18:00								

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SEP 2 5 2007

CONSERVATION DIVISION WICHITA, KS

Sold To #: 302122

Ship To #:302122

Quote #:

Sales Order #:

5247771

SUMMIT Version:

7.20.130

Sunday, July 22, 2007 11:18:00



Cementing Job Summary

The Road to Excellence Starts with Safety

<u> </u>			 -,	T		e Road		cellenc			ith Sa	afety					
Sold To #:					Го #	: 25875	57			ote#:				Sal	es Orde	r#: 526	1042
Customer			DURCE	SINC					Cus	stome	r Rep	:					
Well Name	: Cliff	on				V	Veli #	#: 16#1					API	UWI#	•		
Field:			Ci	ty (SAP): LI	BERAL		Count	y/Pai	rish: S	Sewar	d	····		te: Kans	as	
Contracto	r: AB	ERCR	OMBIE			Rig/Pla	tforn					-					
Job Purpo	se: F	Plua to	Abando	on Servi													
Well Type						Job Ty	ne. P	lug to A	hand	lon Se	nice						
Sales Pers						Srvc Su							WDILLID	F	4- 0477		
04.0010.0	-		214, IVI I	11011		DIVE OF	perv	Job Pe			NUAL	<u>- L</u>	עו טפוע	Emp i	#: 3477	30	
HES En	n Na		Exp Hr	s Emp	# 1	HEC	Emm	Name			F						
ARNETT,			9.5	22656		COBLE,				xp Hrs 9.5	Em 3477			Emp N		Exp Hr	
/ " " " " " " " " " " " " " " " " " " "	U/ 1141L_1	Jitay	3.5	22000	"	Gene	IVAIN	DALL	1	9.5	34//	100	LOPEZ,	CARLO)8	9.5	32197
WOOD, Jo	NHC		9.5	32625	3				_	····	<u> </u>					+	
	•							Equi									<u> </u>
HES Unit	t Die	stance-	1 way	HES U	nit #	Dieta	nco	1 way		S Unit	# D			1	S 11 24 22		
10219237		mile	. way	102402		10 mile		ı way		25713		0 mile	e-1 way	5422	S Unit #	Dista	nce-1 wa
701.010				102402		10 11111						O mile		5422	:5 	10 mil	e
Date	10-	Locati		In a me Affect		Dete		Job I				····				,	
Date		Hours	ion U	perating Hours	' [Date		On Loca			erating		Date		On Locat		Operating
07-27-02		9.5		4				Hou	8	<u> </u>	lours				Hours		Hours
TOTAL		0.0		<u> </u>			<u>I</u>	17	otal i	o the e	um of		olumna a				
				Job					Utai i	S life Si	uiii oi e	each c	olumn s				
Formation N	lame			000							·			lob Tir			
Formation [MD) h	Гор			Botto	m	·		Calle	4 04			ate	Tin		ime Zon
Form Type	Сран	, in (C)	ОР	RI	IST	Botte	,,,, I	T			ocation			1 - 2007			CST
Job depth N	חו		3300. ft			epth TVD		3300) #		tarted			l - 2007 l - 2007			CST
Water Depth			5555. 11			Above F		3.			omple			I - 2007			CST
Perforation		(MD) F	rom			То	1001	1			rted Le			I - 2007			CST
		(1112)				1.0		Well	Data		icu L	00	21 - 30	1 - 2007	21:	50	CST
Descripti	on	New /	Ma	x Si	78	ID	Weig			hread		Gr	ade 1	op MD	Datta	- - -	D-44
		Used	press		- 1	in	Ibm		• • •	iii cau		Gi	aue I	op wo	Botto	n Top TVD	
	Ī		psi	1	`									16	ft	ft	TVD ft
Cement Plug	,	Used													1740.	- 11	11.
DRILL PIPE		Used		4.	5	3.826	16.0	6	X-HC	DLE (XI	1))	<		3350.		
Cement Plug		Used													60.		
Cement Plug		Used													600.		
Cement Plug	<u> </u>	Used												•	3350		
Rat Hole Mouse Hole		Used Used												··-	30.		
INIOUSE TOIL	<u>.</u>	USEU			L		T1					1		•	30.		
Tuna	C:	Oh	Males	Danth	Π.			s and A									
Type	Size	Qty	Make	Depth		Туре	Siz	e Qty	<u> </u>	/lake	Dept		Type		Size	Qty	Make
Guide Shoe Float Shoe		-			Pac								Plug			···	
loat Snoe		 				lge Plug	-	-					tom Plu				
nsert Float					reta	ainer							Plug se				_
Stage Tool		 			-				-				Contai				
aye 1001					L			llas		-4		Cen	tralizers				
Selling Agt			<u></u>					llaneou	IS Ma			1					
reatment FI	d	-	Col			Surfac				Con			d Type		Qty		Conc 9
reaunent Fl	u		COI	IIC		Inhibit	OF	L		Con	C	Sar	d Type	l	Size)	Qty

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MALLIBURTON

SEP 2 4 2007

Cementing Job Summary

CONFIDENTIAL Fluid Data Stage/Plug #: 1 Fluid Stage Type Fluid Name Qty Qty Mixina Yield Mix Fluid Rate **Total Mix** # uom Density ft3/sk Gal/sk bbl/min Fluid Gal/sk lbm/gal 1st Plug @ POZ PREMIUM 40/60 - SBM (15075) 100.0 sacks 13.5 1.53 7.61 7.61 3350' 4 % **BENTONITE, BULK (100003682)** 7.609 Gal FRESH WATER Stage/Plug #: 2 Fluid Stage Type Fluid Name Qtv Qty Mixing Yield Mix Fluid Rate **Total Mix** # uom Density uom uom uom Fluid uom uom POZ PREMIUM 40/60 - SBM (15075) Plug @ 1740' 50.0 sacks 13.5 1.5 7.17 7.17 4 % BENTONITE, BULK (100003682) 7.172 Gal FRESH WATER Stage/Plug #: 3 Fluid Stage Type **Fluid Name** Qty Qty Mixing Yield Mix Fluid Rate **Total Mix** # uom Density uom uom uom Fluid uom uom Plug 3 @ 600 POZ PREMIUM 40/60 - SBM (15075) 50.0 sacks 13.5 1.54 7.67 7.67 4 % **BENTONITE, BULK (100003682)** 7.172 Gal **FRESH WATER** Stage/Plug #: 4 Fluid Stage Type Fluid Name Qty Qty Mixing Yield Mix Fluid Rate **Total Mix** # uom Density uom uom Fluid uom uom uom Plug @ 60ft POZ PREMIUM 40/60 - SBM (15075) 20.0 sacks 13.5 1.54 7.67 7.67 4 % **BENTONITE, BULK (100003682)** 7.668 Gal **FRESH WATER** POZ PREMIUM 40/60 - SBM (15075) **Plug Rat Hole** 15.0 sacks 13.5 1.54 7.67 7.67 4 % **BENTONITE, BULK (100003682)** 7.668 Gal **FRESH WATER Mouse Hole** POZ PREMIUM 40/60 - SBM (15075) 10.0 sacks 13.5 1.54 7.67 7.67 4 % **BENTONITE, BULK (100003682)** 7.668 Gal **FRESH WATER Calculated Values Pressures Volumes** Displacement 66.25 Shut In: Instant Lost Returns **Cement Slurry** Pad Top Of Cement SURFACE 5 Min Cement Returns 1 Actual Displacement 66.25 **Treatment** Frac Gradient 15 Min Spacers 0 Load and Breakdown Total Job 137.25 **Rates** Circulating 5 6 Mixing Displacement 5 Avg. Job 5 0 ft Reason Shoe Joint Cement Left In Pipe Amount Frac Ring #1@ Frac ring # 2 @ ID (Frac Ring #3@ ID Frac Ring #4@ ID Custonier Representative signature The Information Stated Herein Is Correct

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SEP 2 5 2007

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Cementing Job Log

The Road to Excellence Starts with Safety

C		7770 77044		CONGII	ce starts	Willi Sa	rety		
Sold To #: 302122		#: 258755	7		Quote #:			Sales	Order #: 5261042
Customer: EOG RESOUR	CES INC				Custome	Rep:			0.000.00.00
Well Name: Clifton		W	/ell #:				AP	I/UWI #:	
Field:	City (SAP): LI	BERAL	Co	unty/P	Parish: Se	ward		State:	Kansas
Legal Description:								otato.	- Carlous
Lat:				l.	.ong:		······································		
Contractor: ABERCROMBI	E	Rig/Platf	orm N				· · · · · · · · · · · · · · · · · · ·		
Job Purpose: Plug to Aban	don Service	<u> </u>					Ticket	Amount:	
Well Type: Development W	'ell	Job Type	: Plug	to Aba	andon Sei	vice	, iokot	Amount.	······································
Sales Person: HESTON, M	YRON	Srvc Sup					MBU ID	Emp #: 3	347700
Activity Description	Date/		Cht	Rate bbl/min		ıme	Pres	sure sig	Comments
			#		Stage	Total	Tubing	Casing	
Call Out	יו דרו דרו	2007	- 1					·	

Activity Description	Date/Time	Cht	bbl/ min	·霍 · · · · · · · · · · · · · ·	lume bbl		sig	Comments	
		#		Stage	Total	Tubing	Casing		
Call Out	07/27/2007 09:30								
Depart from Service Center or Other Site	07/27/2007 11:30								
Arrive at Location from Other Job or Site	07/27/2007 12:00							ASSESS LOCATION - SPOT TRUCKS - RUNNING PIPE IN HOLE UPON ARRIVAL	
Pre-Rig Up Safety Meeting	07/27/2007 12:10							TIOLE OF ON ARRIVAL	
Rig-Up Equipment	07/27/2007 12:15								
Comment	07/27/2007 12:30							CIRC ON BOTTOM THEN LAYED DOWN 74 JOINTS OF D.P.	
Start Job	07/27/2007 15:13							PLUG @ 3300'	
Pump Cement	07/27/2007 15:14		6	27.5			300.0	100 SKS 40/60 POZ @ 13.5#	
Pump Displacement	07/27/2007 15:18		6	39.75			175.0	MUD	
Comment	07/27/2007 15:25							LAYED DOWN 49 JOINTS	
Start Job	07/27/2007 16:31							PLUG @ 1740'	
Pump Cement	07/27/2007 16:33		6	14			275.0	50 SKS 40/60 POZ @ 13.5#	
Pump Displacement	07/27/2007 16:35		6	21.5			11.0	MUD	
Comment	07/27/2007 16:40			KA	NSAS CORP	CEIVED ORATION COM	MISSION	LAYDOWN 39 JOINTS OF D.P. SET 6 STANDS BACK - NIPPLE DOWN BOP - RUN 6 STANDS BACK	
					CONSERV	ATION DIVISION CHITA. KS	to.	IN	

Sold To #: 302122

Ship To #:2587557

Quote #:

Sales Order #:

5261042

SUMMIT Version:

7.20.130

Friday, July 27, 2007 09:03:00

KCC SEP 2 4 2007

CONFIDENTIAL Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		4.77	sure sig	Comments	
		#		Stage	Total	Tubing	Casing		
Start Job	07/27/2007 19:17							PLUG @ 600'	
Pump Cement	07/27/2007 19:20		6	14			125.0	50 SKS 40/60 POZ @ 13.5#	
Pump Displacement	07/27/2007 19:23		4.5	5			.0	MUD	
Comment	07/27/2007 19:25							LAYDOWN 16 JOINTS	
Start Job	07/27/2007 19:54							PLUG @ 60'	
Pump Cement	07/27/2007 19:55		4	5.5			50.0	20 SKS 40/60 POZ @ 13.5# - LAYDOWN 1 JOINT	
Pump Cement	07/27/2007 20:06		4	5			50.0	RAT HOLE	
Pump Cement	07/27/2007 20:13		4	5			50.0	MOUSE HOLE - LAY DOWN LAST JOINT	
Pre-Rig Down Safety Meeting	07/27/2007 20:15								
Rig-Down Equipment	07/27/2007 20:20								
Depart Location for Service Center or Other Site	07/27/2007 21:30							JOURNEY MANAGMENT BEFORE DEPARTURE	

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