

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1060536

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
	Field Name:
Wellsite Geologist:	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feel
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1060536
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		-	n (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	 Yes No Yes No Yes No 					
List All E. Logs Run:							
		CASIN		lew Used			
		Report all strings se	et-conductor, surface, in	termediate, producti	on, 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

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge P Each Interval I		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	λ .	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	Laura 21 #2
Doc ID	1060536

All Electric Logs Run

RESISTIVITY ANNULAR HOLE VOLUME SONIC ARRAY MICRO SPECTRAL DENSITY DUAL SPACED NEUTRON

Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	Laura 21 #2
Doc ID	1060536

Tops

Name	Тор	Datum
CHASE	2585	568
COUNCIL GROVE	2894	259
BASE OF HEEBNER	4136	-983
MARMATON	4925	-1772
CHEROKEE	5157	-2004
АТОКА	5623	-2470
MORROW	5671	-2518
CHESTER	6040	-2887
ST GENEVIEVE	6162	-3009
ST LOUIS	6310	-3157



DRILL STEM TEST REPORT

Prepared For: EOG Resources Inc.

3817 NW Expressway Oklahoma City Ok. 73112+1483

ATTN: Jackie S.

21/32/37

Laura 21-2

Start Date:	2011.04.11	@ 05:00:00	
End Date:	2011.04.11	@ 17:03:30	
Job Ticket #:	039423	DST #:	1

ALPINE OIL SERVICES CORPORATION 2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4 ph: 263-7800 fax: 264-7260

	DRILL STEM TES	ST REP	ORT			
	EOG Resources Inc.		Laura	21-2		
Weatherford®	3817 NW Expressw ay Oklahon 73112+1483	na City Ok.	21/32 /	37 ket: 039423	DST#:1	
Completion System	S ATTN: Jackie S.			art: 2011.04.11 (
GENERAL INFORMATION:						
Formation: St. Louis B Deviated: No Whipstock Time Tool Opened: 09:11:30 Time Test Ended: 17:03:30	: ft (KB)		Test Ty Tester: Unit No	Harley Dav	al Bottom Hole idson	
Total Depth: 6394.00 ft (KB)	6394.00 ft (KB) (TVD) (TVD) lole Condition: Fair		Referen	nce Elevations: KB to GR/CF:	3153.00 ft (3141.00 ft (12.00 ft	
Serial #: 6772 Inside Press@RunDepth: 77.91 psi Start Date: 2011.04.1 Start Time: 05:00:0 TEST COMMENT: IF- Weak buil ISI- No blow FF- Weak buil	1 End Date: 5 End Time: ding blow 8" in bucket. back.	2011.04.11 17:03:30	Capacity: Last Calib.: Time On Btm Time Off Btn		8000.00 ps 2011.04.11 @ 09:09:45 @ 13:47:15	ig
FSI- No blow			PRES	SSURE SUM	IARY	
67/2 Presure	572 Tempenate 	146 271	(psig) (d 3110.64 1 90.95 1 73.21 1 882.33 1 106.64 1 77.91 1 1095.64 1	emp Annotat leg F) 47.28 Initial Hyd 47.28 Initial Hyd 47.54 Open To 48.98 Shut-In(1 50.35 End Shut- 50.22 Open To 51.44 Shut-In(2 53.32 End Shut- 53.92 Final Hyd	ro-static Flow (1)) -In(1) Flow (2)) -In(2)	
Recovery			Į Į	Gas Rates		
Length (ft) Description	Volume (bbl)			Choke (inches) Press	sure (psig) Gas Ra	ate (Mcf/d
0.00 300' GIP 100.00 10%oil 10%gas 80%r	0.00 nud 0.49					
ALPINE OIL SERVICES CORPORA	ION Ref. No: 039423		P	rinted: 2011.04.1	<u>2 ක 15:20:00 </u>	Page 2

	DRILL STEM TES	ST REP	ORT		
· · · ·	EOG Resources Inc.		Laur	ra 21-2	
Weatherford	3817 NW Expressw ay Oklahor 73112+1483	ma City Ok.	21/3 2	2/37 icket: 039423	DST#:1
Completion Systems	ATTN: Jackie S.			Start: 2011.04.11	
GENERAL INFORMATION:					
Formation:St. Louis BDeviated:NoWhipstock:Time Tool Opened:09:11:30Time Test Ended:17:03:30	ft (KB)		Test T Teste Unit N	r: Harley Dav	nal Bottom Hole vidson
nterval: 6365.00 ft (KB) To 63 Total Depth: 6394.00 ft (KB) (T\ (T\ Hole Diameter: 7.78 inches Hole	/D)		Refer	ence Elevations: KB to GR/CF:	3153.00 ft (KB) 3141.00 ft (CF) 12.00 ft
Serial #: 8355 Inside Press@RunDepth: psig Start Date: 2011.04.11 Start Time: 05:00:00 FEST COMMENT: IF- Weak building	End Date: End Time:	2011.04.11 17:03:25	Capacity: Last Calib. Time On Bt Time Off B	im:	8000.00 psig 2011.04.11
ISI- No blow bac FF- Weak buildir FSI- No blow ba	ig blow . ck.	_			
Pressure vs. T 8365 Pressure	ime 8355 Temperature	Time	PRE	ESSURE SUMI	
3000 2000 2000 2000 2000 2000 2000 2000	110	(Min.)		(deg F)	
Recovery			· · · · ·	Gas Rates	
Length (ft) Description	Volume (bbl)			Choke (inches) Pres	sure (psig) Gas Rate (Mcf/
0.00 300' GIP 100.00 10%oil 10%gas 80%mud	0.00 0.49				

			DRILI	_ STEM TEST	REPOR	Т	TOOL DIAGRAM
•			EOG Reso	urces Inc.		Laura 21-2	
Weath	orfr	rd ®	3817 NW I	Expressw ay Oklahoma Cit	y Ok.	21/32/37	
IIGau	GII	ЛЧ	73112+14	83		Job Ticket: 039423	DST#:1
Complet	ion S	ystems	ATTN: Ja	ickie S.		Test Start: 2011.04.11 @	05:00:00
Tool Informatio	on		Į				
Drill Pipe:	Length:	5980.00 ft	Diameter:	3.80 inches Volume:	83.88 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	362.00 ft	Diameter:	2.25 inches Volume:	1.78 bbl	Weight to Pull Loose:	120000.0 lb
	(D	7 00 0		Total Volume:	85.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above I		7.00 ft				String Weight: Initial	65000.00 lb
Depth to Top Pac		6365.00 ft				Final	68000.00 lb
Depth to Bottom Interval betw een		ft 29.00 ft					
	Packers:	29.00 ft					
Tool Length: Number of Packe		59.00 II 2	Diameter:	6.75 inches			
	15.	Z	Diameter.	0.75 menes			
Tool Comments:							

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			6336.00		
Shut In Tool	5.00			6341.00		
Sampler	2.00			6343.00		
Hydraulic tool	5.00			6348.00		
Jars	5.00			6353.00		
Safety Joint	3.00			6356.00		
Packer	5.00			6361.00	30.00	Bottom Of Top Packer
Packer	4.00			6365.00		
Stubb	1.00			6366.00		
Perforations	1.00			6367.00		
Recorder	0.00	6772	Inside	6367.00		
Recorder	0.00	8355	Inside	6367.00		
Perforations	24.00			6391.00		
Bullnose	3.00			6394.00	29.00	Bottom Packers & Anchor

Total Tool Length: 59.00

		ILL STEM TEST REPO	RT		FLUID S	UMMAF	
•	EOG R	desources Inc.	Laura 2	1-2			
Neatherford [®]	3817 N	W Expressw ay Oklahoma City Ok.	21/32/37				
	73112	+1483	Job Ticket	: 039423	DST#: 1		
Completion System	IS ATTN:	Jackie S.	Test Start:	2011.04.11 @ 0	5:00:00		
ud and Cushion Informatio	n						
ud Type: Gel Chem		Cushion Type:		Oil A PI:		deg AP	
ud Weight: 9.00 lb/gal		Cushion Length:	ft	Water Salinity:		ppm	
scosity: 60.00 sec/qt ater Loss: 8.78 in ³		Cushion Volume: Gas Cushion Type:	bbl				
esistivity: ohm.m		Gas Cushion Pressure:	psig				
linity: 1600.00 ppm er Cake: inches			1 0				
ecovery Information							
		Recovery Table	I				
	ength ft	Description	Volume bbl				
	0.00	300' GIP	0.0				
	100.00	10%oil 10%gas 80%mud	0.4	92			
Total Length	: 100	0.00 ft Total Volume: 0.492	bbl				
Num Fluid Sa	amples: 0	Num Gas Bombs: 0	Seria	l #:			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co	omments: Sa	ampler Data- 1000ML 10%oil10gas 80% n	nud w ith 15 CFD	gas.@ 1000PSI			
Recovery Co		ampler Data- 1000ML 10%oil10gas 80% n		gas.@ 1000PSI		Page	

DRILL STEM TEST REPORT

GAS RATES



EOG Resources Inc.

Laura 21-2

3817 NW Expressw ay Oklahoma City Ok. 73112+1483

21/32/37 Job Ticket: 039423

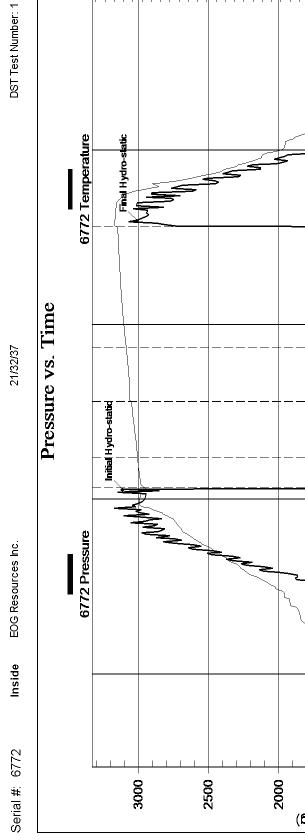
DST#:1 Test Start: 2011.04.11 @ 05:00:00

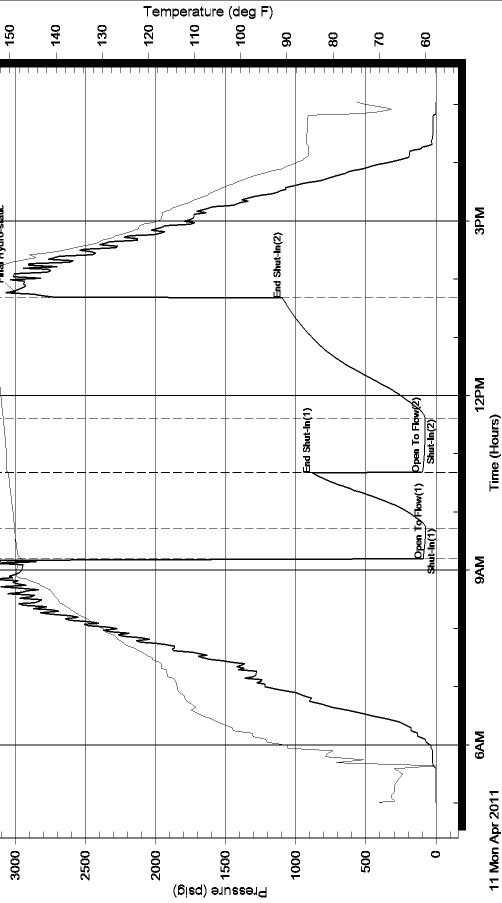
Gas Rates Information

Temperature:	59	deg C
Relative Density:	0.65	
Z Factor:	0.8	

Gas Rates Table

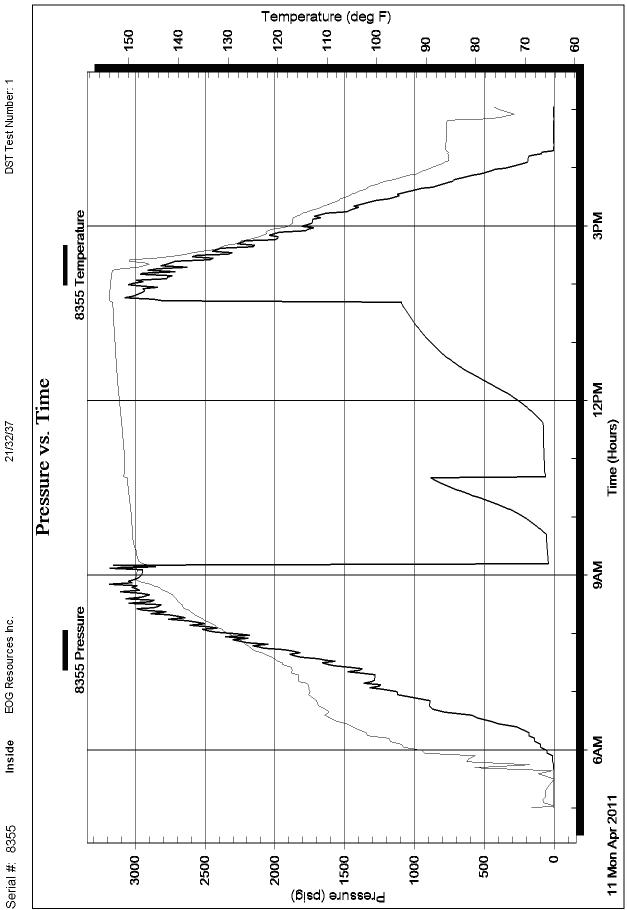
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
		0.00	0.00	0.00





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039423 Ref. No: A LPINE OIL SERVICES CORPORATION



Printed: 2011.04.12 @ 15:29:03 Page 8

039423 Ref. No: A LPINE OIL SERVICES CORPORATION

21/32/37

Cementing Job Summary

				The Road	to Ex	cellence	Start	's wit	h Safet	V					
Sold To #: 3				o #: 28469	946		Quote					Sales	Order	#: 808	31701
Customer:		OURC	ES INC E	BUSINESS	5	C	usto	mer	Rep: Se	ssic	ons, Jack	ie			
Well Name:	Laura			M	Vell #	: 21-2					API/UV				
Field:		C	ity (SAP): HUGOTO	N	County/	Paris	h: St	evens	1.475.7 mar granna			: Kansa	96	
Contractor:	KENAI	·····		A STATE OF	The second se	Name/N							, i (uiiui		
Job Purpos	e: Cemei	nt Surfa	ace Casin	iq		······				**********	antala di Mandri ang kanangan na mangan ng mangan ka	000747-07409403-1-40-4449940		.	
Well Type:					ne: C	ement Su	irface	Cas	ina	**********					
Sales Perso						isor: SM				5.A			4000	20	
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						Fli	uid Data	WRITE WITE (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		****	*****		
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1	Lead Cei	ment		CEM (TM) CEM			300.0	sacks	11.4	2.96	18.14	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.14
	3 %		CALC	UM CHLORIDE	E - HI TEST	PELLE	T (100005	053)					.
	0.1 %		WG-	17, 50 LB SK (10	00003623)	india 2009 distriction and an observation of the					*****		
	0.25 lbm		POLY	-E-FLAKE (101	216940)		 M. M. M. C. S. M. S. SWAR (1994) 	o faire ffisish an ana					
	18.138 Ga	эl	FRES	SH WATER		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	A ¹¹ - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100						
2	Tail Cem	ent	SWIF	TCEM (TM) SY	STEM (452)	990)	200.0	sacks	15.6	1.2	5.22		5.22
	2 %		CALC	UM CHLORIDE	E - HI TEST	PELLE	T (1000050	053)	na de una sectore, en españo e sua sectore do tradado				
	0.25 lbm		POLY	-E-FLAKE (101)	216940)	a dha haala la da ada	9.8°44						******
	5.218 Ga	1	FRES	H WATER			 Control (New York or an exchange) on an exception of the second seco						
3	Displace	ment	1	an na ang ang ang ang ang ang ang ang an			107.00	bbl	8.33	.0	.0	.0	
Ca	alculated	Values	3	Pressu	res	1	dd.		V	olumes			
Displa	cement		S	hut In: Instant		Lost F	Returns		Cement S	lurry	T	Pad	
Тор О	f Cement	1	5	Min	······································	Ceme	nt Returns	aidd Cora Annaide Carrin	Actual Di		ent	Treatm	nent
Frac G	iradient		1;	5 Min	· · · · · · · · · · · · · · · · · · ·	Space	rs		Load and			Total J	
		••••••••••••••••••••••••••••••••••••••	/ www.walker.com/article.com/articles/		and a second state of the		Rates	L					
Circu	lating		hann Martan J., s a dhannar 766,000	Mixing			Displac	ement	100 yildə Arizon Barrana məş yönən əsərəyə əsərəyə əsərəyə əsərəyə əsərəyə əsərəyə əsərəyə əsərəyə əsərəyə əsər	ł	Avg. J	ob	
Cem	ent Left In	ı Pipe	Amou	int 45 ft Rea	ason Shoe	e Joint					<u> </u>		000/0495.0000.000.000.000.000.000.000.000.000.
Frac F	Ring # 1 @	2	ID	Frac ring # 2	. @	D	Frac Rin	g # 3 @			Frac Ring	#4@	ID
Tł	ne Inform	nation	State	ed Herein Is (Correct	Custo	mer Represei	the second se					

Cementing Job Log

Sold To #: 348223	Ship To #: 2846	946	C	Quote #:			Sales	Order #: 8081701
Customer: EOG RESOURCES	S INC EBUSINES	S	C	Customer	Rep: Se	essions, J	ackie	en e
Well Name: Laura		Well #	: 21-2			AP	/UWI #:	
Field: City	(SAP): HUGOT	ON C	ounty/F	arish: St	evens		State:	Kansas
Legal Description:				in the second		**********	······································	
Lat:	941 / 941 B) 441 / 941 B) 441 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 941 / 9		L	.ong:				<mark>ана али станиционалистика на прости</mark> рации станици, станици станици (ст. Феблафурсфулаф сул 1963). Али станици
Contractor: KENAI	Ria/Pl	atform	Name/N	***************************************				
Job Purpose: Cement Surface	And a second					Ticket	Amount:	
Well Type: Development Well		vne: Ce	ment Si	urface Ca	sina		/	
Sales Person: DRAKE, BRAN				ITH, BOE		MRILIE	D Emp #:	106036
			Rate	1	8 ayı anına yaran yaran yaran yara yara yara yara		Sure	T00030
Activity Description	Date/Time	Cht	bbl/	Volu		1	sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	04/05/2011 14:00	***************************************						
Depart Location Safety Meeting	04/05/2011 14:15							
Arrive At Loc	04/05/2011 15:00							
Assessment Of Location Safety Meeting	04/05/2011 15:00			annadologianain oʻshi an analogi oʻdog	held 49, 49589949 - 38 - 24 496 49 49 49 49 49 49 49 49 49 49 49 49 49			casing going in the hole
Pre-Rig Up Safety Meeting	04/05/2011		1 1 - 1 - 1					
Rig-Up Completed	04/05/2011 16:00	The second						and an
Other	04/05/2011 16:39							casing on bottom rig is circulating.
Safety Meeting - Pre Job	04/05/2011 18:00							
Start Job	04/05/2011 18:35		MAR &					
Test Lines	04/05/2011 18:36					 PEAR N. N. MERING ANALYSIS 	3000. 0	
Pump Lead Cement	04/05/2011 18:39		6	158.1 5	ng na tha tha tha tha tha tha tha an		300.0	300 sx = 888 ft3 = top of cement surface
Pump Tail Cement	04/05/2011 19:04		6	42.74			250.0	200 sx = 240 ft3. top of cement 1186.36 ft
Drop Top Plug	04/05/2011 19:16	-1						
Pump Displacement	04/05/2011 19:18		11	0		250.0	600.0	water got cement returns 40 bbl into displacement
Stage Cement	04/05/2011 19:28		2		*184			last 20 bbl per comp rep
Bump Plug	04/05/2011 19:50		2	106.9 9		600.0	1400. 0	bumped plug @ 550 took to 1400
Check Floats	04/05/2011 19:52		an an Arris Anna an Anna an Anna an Anna an Anna A					float held.

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl			sure sig	Comments
		#		Stage	Total	Tubing	Casing	
End Job	04/05/2011 19:53							67 bbls of cement back to surface.
Safety Meeting - Pre Rig- Down	04/05/2011 20:00							
Rig-Down Completed	04/05/2011 20:30							
Safety Meeting - Departing Location	04/05/2011 20:45						A island bit. Has a say a garage garage garage	
Depart Location for Service Center or Other Site	04/05/2011 21:00							Thank you for calling Halliburton. Bob and crew.

Cementing Job Summary

Sold To #: 3					: 28469	46		Quote	* #:				S	ales	Orde	r #: 810)542	23
Customer: E	EOG RES	OURCE	ES INC	EBU	SINESS			Custo	mer	Rep: S	Sessi	ons, Ja	ackie	9				
Well Name:	Laura				W	/ell #:						API/						
Field:		С	ity (SA	NP): H	UGOTO	N O	County	//Paris	h: St	evens			S	State:	Kans	as		
Contractor:	KENAI				Rig/Plat	form	Name/	Num:	58									
Job Purpos	e: Cemer	nt Produ	iction (Casing]													
Well Type: [Developm	ent Wel	1		Јов Тур	e: Ce	ment F	roduct	tion C	asing								
Sales Perso	n: DRAK	E, BRA	NDON		Srvc Su					×	N	IBU ID	Em	מו # :	3712	63		
					EDUARI				,					- -				
							lob Pe	rsonne	el	****								
HES Emp	Name	Exp H	rs Em	ip#	HES	Emp I	Name	Exp	Hrs	Emp	#	HES	6 Em	p Nar	ne	Exp H	rs	Emp
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RODRIGUE EDGAR Aleja		8.0	442	125														
EDGAN Aleja		1		l.			Caula	oment	L		L	24.	10 14 00.008.000.0000	***********	····			
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11133699	25 mile	***				-			~~ (
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4/14/11	8.0		3	·			noui	3	[]	iouis					nours	>	п	ours
TOTAL	<u></u>	L	.				7	otal is i	he su	im of ea	ach ci	olumn s	enai	rately		l		
	k		Job				í ·							Time	e			
Formation Na	me					****					T		ate		- T	ne	Tim	e Zone
Formation De	pth (MD)	Тор		***.,	Botto	m		k	Called	Out		14 - A		2011		:30		CST
Form Type	<u> </u>	.		BHST				k	Dn Lo	cation		14 - A				:00		CST
Job depth MC)	6560. f	t	Job D	epth TVD)	6560	D. ft	lob S	tarted	1	14 - A	pr - 2	2011	18	:02		CST
Water Depth				Wk Ht	Above F	loor	5.	ft 🗸	lob C	omplet	ed	14 - A	pr - 2	2011	19	:01	(CST
Perforation D	epth (MD)	From			То)epar	ted Lo	c	14 - Aj	pr - 2	2011	20	:30	(CST
· ··					1 3.000 Million of T-12.000 Million		Well	Data										
Descriptio				Size	ID	Weigl	ht	Thr	ead		Gra	ıde '	Тор	MD	Botto		•	Bottor
	Use	•		in	in	lbm/f	ft j					Manufor, "Lands of	fl	t	MD		1	TVD
Production Ho		ps	ig	· · · · ••	7 075					·		<u>l</u>	4 -77	~	ft	ft		ft
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Surface Casin	g Unkni n	w		8.625	8.097	24.							•		1700).		
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		a contract Artifician Artifician and a state of the state	n	escrip					.	-	Qty	Qty u	om	Dep	th	Su	ppli	er
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CENTRALIZE	R ASSY - T	URBO -									2	EA				······	*****	
			API -				*******			1								
CLAMP - LIMI	r - 5-1/2 - I		API -	*****							2	EA				***		
CLAMP - LIMI (IT,HALL WEI	Γ - 5-1/2 - H _D-A	HINGED	API - -	5.09 M	IA							EA EA						
CENTRALIZEF CLAMP - LIMI (IT,HALL WEI PLUG,CMTG,1	Г - 5-1/2 - Н _D-А ⁻ OP,5 1/2,I	HINGED	API - - 88 MIN/			Tools	and A	CCess	ories		2							
CLAMP - LIMI KIT,HALL WEI PLUG.CMTG,1 Type	Г - 5-1/2 - Н _D-А ⁻ OP,5 1/2,I	HINGED	API - - 88 MIN/			Tools Size	· · · · · · · · · · · · · · · · · · ·	• •• • <u>*</u> ********	· · · ·	s Depth	2			Si	ize	Qtv	. The second sec	Make
CLAMP - LIMI (IT,HALL WEI PLUG,CMTG,1 Type Suide Shoe	Г - 5-1/2 - Н _D-А ⁻ OP,5 1/2,I	HINGED	API - - 88 MIN/	th				• •• • <u>*</u> ********	· · · ·		2	EA			i ze	Qty 1		Make h
CLAMP - LIMI (IT,HALL WEI PLUG,CMTG,T Type Suide Shoe Float Shoe	Г - 5-1/2 - Н _D-А ⁻ OP,5 1/2,I	HINGED	API - - 88 MIN/	th Pac Bri	Type sker dge Plug	Size		• •• • <u>*</u> ********	· · · ·		2 1 Top Bott	EA Type Plug om Plu	19				Perspect / View Annual Bennymulation	
CLAMP - LIMI (IT,HALL WEI PLUG,CMTG,1 Type Suide Shoe	Г - 5-1/2 - Н _D-А ⁻ OP,5 1/2,I	HINGED	API - - 88 MIN/	th Pac Bri	Type cker	Size		• •• • <u>*</u> ********	· · · ·		2 1 Top Bott SSR	EA Type Plug	'9 iet	5			Processory of the constant of	Make h

					Mis	cellane	ous Mat	erials						
Gellin	ig Agt		Со	nc	Surfactan	It		Conc		d Type		Qty	Co	
Freat r	ment Fld		Co	nc	Inhibitor			Conc	Sar	id Type		Size	Qty	·
			1			Flui	id Data							
S	tage/Plug #													
Fluid #	Stage Ty	pe		Fluid N	ame		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Flui Gal/sk	d Rate bbl/min		al Mix Gal/sk
1	Primary Ce	ement	ECONO	CEM (TM) SY	STEM (452	992)	130.0	sacks	13.5	1.76	8.52		8	.52
	6%		CAL-SE	AL 60, 50 LB	BAG (10121	7146)								
	10 %		SALT, B	ULK (100003	695)									
	2 lbm		PRESSI	JR-SEAL LCM	1, 40 LB (10	1204356	3)							
	0.6 %		HALAD(R)-344, 50 LE	(10000367)	0)								
	0.5 %		D-AIR 3	000 (1010074	46)	• • • •								
	0.1 %		WG-17,	50 LB SK (10	0003623)									
	8.516 Gal		FRESH	WATER										
2	Displacen	nent			2000/0-00-0-0-0-0-000000000000000000000		151.00	bbl	8.33	.0	.0	.0		
3	Rat & Mou Hole Plug	se	PLUGC	EM (TM) SYS	TEM (45296	9)	50.0	sacks	13.5	1.76	8.52		8	.52
	Cement				DA 0 (40404	74.40							1	
	6 %			AL 60, 50 LB		/146)								
	10 %			ULK (100003		4004050	2)							
	2 lbm			JR-SEAL LCN)							
	0.6 %			R)-344, 50 LE		0)								
	0.5 %			000 (1010074						· · · · · · · · · · · · · · · · · · ·				
	0.1 % 8.516 Gal		FRESH	50 LB SK (10	0003023)	· · · · · · · · · · · · · · · · · · ·								wighyang, maga amata fang
~	alculated V	lahua a	L	Pressu	-	T				Volume	8		400 taa, white 600 taas amay v waa	
	acement	155		t in: instant	69	Lost Re	oturne	0	Cement		3 40	Pad	1	
	of Cement	530			1999 - F. 1999 - State of the s	·······	t Returns		Actual D		i		nent	
	Gradient		15 M			Spacer		0	Load and			Total	Job	194
			1			R	lates							
Circi	ulating			Mixing	6		Displa	cement	1	0	Avg.	Job	8	1
	nent Left In	Pipe	Amoun		ason Shoe	Joint	and				A			
Frac	Ring # 1 @		ID	Frac ring # 2	1 @	D	Frac Rin			ID	Frac Ring	g#4@		D
		L		Herein Is			ner Repres					<u></u>		

Cementing Job Log

	Ship To #				Quote #:			Sales	Order #: 8105423
Customer: EOG RESOURCES	INC EBU	SINESS	;	C	Customer	Rep: Se	essions, Ja	ackie	
Well Name: Laura			Well #	21-2			API	/UWI #:	
Field: City	(SAP): H	UGOTO	N C	ounty/F	Parish: Ste	evens		State:	Kansas
Legal Description:									
Lat:					_ong:				
Contractor: KENAI			atform	Name/N	lum: 58				
Job Purpose: Cement Producti	on Casing	A					Ticket	Amount:	annan an a
Well Type: Development Well					oduction (Casing			
Sales Person: DRAKE, BRAND	DON	Srvc S EDUAF		sor: CA	RRILLO,) Emp #:	371263
Activity Description	Date	Time	Cht	Rate bbl/ min	1	ume bl	1	sure sig	Comments
			#		Stage	Total	Tubing	Casing	
Call Out	04/14/ 10:30	2011							Dispach Called Cement Crew Out For Job On E.O.G. 5 1/2 Production Casing Well Laura # 21- 2
Other	04/14/ 11:30	2011							Loading Equipment For Job
Pre-Convoy Safety Meeting	04/14/	2011							Discuss Route to take and Hazards on the road
Arrive At Loc	04/14/ 13:00	2011							
Assessment Of Location Safety Meeting	04/14/ 13:05	2011							Casing Crew And Rig Crew Were Runing In Casing In Hole
Pre-Rig Up Safety Meeting	04/14/ 13:20	/2011							Discussed All Red Zones Proper Lefting Were To Run Water And Iron Lines Have Spoters At All Times Wen Spoting Inn Went Over JSA Discussed Muster Area's And Excape Rout If Needed For Emergencys.
Rig-Up Completed 04/1 14:2		2011							

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	04/14/2011 14:25							Got Numbers From Costomer Rep // TD = 6600 // TP = 6560 // SJ = 47.00 // Displacment = 155 bbls. Have Costomer Rep Sing Work Order Contract. Costomer Rep Said To Pump Rat & Mouse Hole First 50 SKS CMT = 16 BBLS CMT. 50 X 1.76 = 88 CU/FT.
Pre-Job Safety Meeting	04/14/2011 14:27							Discussed Job Step's With All Went Over Numbers With Costomer Rep Valums And Pump Rates Have Rig Crew Sing Saftey Sheet
Wait on Customer or Customer Sub-Contractor Equip	04/14/2011 14:30							Wait on Rig Crew
Start Job	04/14/2011 18:02							Ready for Halliburton
Test Lines	04/14/2011 18:22						5000. 0	Test @ 5000 PSI Heald Good Relased Presser On Pump Truck On Releas Line
Pump Cement	04/14/2011 18:25		6	41	41		400.0	Pumped 130 SKS @ 13.5 PPG // 130 X 1.76 X .1781 = 41 BBLS CEMT // 130 X 1.76 = 228.8 CU/FT
Drop Top Plug	04/14/2011 18:34							HWE
Clean Lines	04/14/2011 18:35							to pit
Pump Displacement	04/14/2011 18:39		10	155	196		1400. 0	Fresh Water H2O 155 BBLS.
Slow Rate	04/14/2011 18:55							
Bump Plug	04/14/2011 18:58							bumped plug @ 11,00 took to 1700
Check Floats	04/14/2011			n - y				Floats held 2 bbl Back
End Job	04/14/2011 19:01							
Pre-Rig Down Safety Meeting	04/14/2011 19:05	-						Discuss Pinchpoint and Triping Hazards

Quote # :

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Completed	04/14/2011 19:55					- -		
Crew Leave Location	04/14/2011 20:30							
Other	04/14/2011 20:31							THANK YOU FOR CHOOSING HALLIBURTON

Quote # :

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

August 01, 2011

DAWN ROCKEL EOG Resources, Inc. 3817 NW EXPRESSWAY STE 500 OKLAHOMA CITY, OK 73112-1483

Re: ACO1 API 15-189-22766-00-00 Laura 21 #2 SE/4 Sec.21-32S-37W Stevens County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, DAWN ROCKEL