Date Commission Expires

ORIGINAL KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

6/5/09 Form ACO-1 RECEIVED September 1999
KANSAS CORPORATION COMMISSION Typed

WELL COMPLETION FORM METDENTT A WELL HISTORY - DESCRIPTION OF WELL & LEASE

JUN 0 6 2007

COM TACME	·
Operator: License # 5278	API NO. 15- 189-22569-0001 CONSERVATION DIVISION WICHITA, KS
Name: EOG Resources, Inc.	County STEVENS
Address 3817 NW Expressway, Suite 500	S/2 - SF - NF - SW Sec. 11 Twp. 34 S. R. 38 ☐ EXW
City/State/Zip Oklahoma City, Oklahoma 73112	1500 Feet from S/N (circle one) Line of Section
Purchaser: ANADARKO ENERGY CO.	2310 Feet from E/W circle one) Line of Section
Operator Contact Person: MINDY BLACK Phone (405) 246-3130	Footages Calculated from Nearest Outside Section Corner: (circle one) NE SE NW SW
Contractor: Name: ABERCROMBIE RTD, INC. License: 30684 CONFIDENT	Lease Name VERNA Well # 11 #2
Wellsite Geologist:	Producing Formation ST. LOUIS
Designate Type of Completion Recompletion &	Elevation: Ground 3188' Kelley Bushing 3200'
New Well Re-EntryX_ Workover	Total Depth 6750' Plug Back Total Depth 6654'
	Amount of Surface Pipe Set and Cemented at 1687' Feet Multiple Stage Cementing Collar Used? X Yes No
Dry Other (Core, WSW, Expl., Cathodic, etc.)	If yes, show depth set Feet
If Workover/Reentry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator: EOG RESOURCES, INC.	feet depth tow/sx cmt.
Well Name: VERNA 11 #2 Original Comp. Date 1/25/07 Original Total Depth 6750' Deepening Re-perf. Conv. to Enhr./SWD	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content 4000 ppm Fluid volume 1000 bbls
Plug Back ———Plug Back Total Depth	Dewatering method used <u>EVAPORATION</u>
Commingled Docket No	Location of fluid disposal if hauled offsite: Operator Name
Dual Completion Docket No	Lease Name License No
Other (SWD or Enhr?) Docket No 12/28/06 1/11/07 4/10/07	QuarterSecTwpS RE \[\]
Spud Date or Recompletion Date Date Reached TD Recompletion Date Completion Date 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 confidence of	Letter of Confidentiality Attached

Operator Name EOG F	Leas	Lease Name VERNA				Well# <u>11 #2</u> ,					
Sec. <u>11</u> Twp. <u>34</u>	S.R. <u>38</u>	☐ East	▼ West	Cou	nty _	STEVENS		· · ·			
INSTRUCTIONS: Shot tested, time tool open temperature, fluid reco	and closed, flow overy, and flow	ing and shut- rates if gas	in pressure to surface	es, whether a	shut-in	pressure reac	hed static level, h	ydrostatic p	ressures,	bottom hole	
Drill Stem Tests Taken (Attach Additional SI	rill Stem Tests Taken (Attach Additional Sheets.)						Depth and D	atums	Sample		
Samples Sent to Geolog	ical Survey	X Yes	☐ No	Na	ıme		Тор	Da	itum		
Cores Taken		Yes	⋈ No	į	•						
Electric Log Run (Submit Copy.)		X Yes	□ No	SEE A	ATTAC	HED SHEET					
List All E.Logs Run: COMPENSATED RESIS DENSITY NEUTRON, I WAVESONIC	DENSITY NEUT	ROLOG, MUI RON W/MIC	DLOG, RO,								
	Repor		RECORD		χ υ termed	sed liate, productio	n, etc.			!	
Purpose of String	Size Hole Drilled	Size Ca Set (In 0		Weight Lbs./Ft.		Setting Depth	Type of Cement	# Sacks Type and Perc Used Additives			
SURFACE	12 1/4"	8 5/8"		24#		1687'	MIDCON-2 PP	330	SEE CM	IT TIX	
							PREM PLUS	180	SEE CM	IT TIX	
PRODUCTION	7 7/8"	5 1/2"	DITIONIAL C	15.5#		6749'	50/50P0Z PP	340	SEE CM	n tix	
Purpose	Depth		of Cement	#Sacks		EZE RECORD	Type and Pe	A d-dist.			
Perforate X Protect Casing	Top Bottom	1,700 0		#Odoks			/es				
Plug Back TD Plug Off Zone	3428'	PREM G		50		10%CAL-SE	.1% CC.	7.861			
Shots Per Foot	PERFORATION Specify Foot	RECORD - E	Bridge Plugs	s Set/Type orated		Acid, Fracture, Shot, Cement Sqeeze Record (Amount and Kind of Material Used) Depth					
4	5828'-5849'				N/A				N/	Α	
4	6541'-6571'					1500 GAL	HCL		65	41-6571	
						50 SKS TI	HIX & 50 SKS C	LASS H	57	65-5852	
TUBING RECORD	Size 2 3/8"	Set At		Packer A		Liner Run	☐ Yes [X]	No			
Date of First, Resumed		6531 ' VD or Enhr.		6521' cing Method	<u> </u>	1	<u> </u>				
RECOMPLETION 1ST	SALES - 4/1	0/07		X Flowing	□P	umping G	as Lift	er (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bbls.	Gas-Oil R	Ratio		Gravity	
	258		1060		0		4109		OIL	- 48	
Disposition of Gas:		OF COMPLET					Production Interv				
☐ Vented ☒ Sold (If vented, submit A	Used on Le	ease	∐ Open H	ole 💢 Perf	oration	☐ Dually C	omp. Comming	gled			
(ii Vointou, Subiilli F	100-10.j		Other (Specify)		- 1	<u> </u>				

KCC Jun 0 5 2007 Comfidential

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 302122 **Ship To #**: 2546446 Quote #: Sales Order #: 5015382 Customer: EOG RESOURCES INC Customer Rep: Rusk, Glen API/UWI #: Well Name: Verna Well #: 11#2 Field: City (SAP): UNKNOWN County/Parish: Stevens State: Kansas Contractor: WORKOVER Rig/Platform Name/Num: RIG 0 Job Purpose: Squeeze Hole in Casing Well Type: Development Well Job Type: Squeeze Hole in Casing Srvc Supervisor: COCHRAN, MICKEY MBU ID Emp #: 217398 Sales Person: BLAKEY, JOSEPH **Job Personnel HES Emp Name** Exp Hrs **HES Emp Name** Exp Hrs Emp# Exp Hrs Emp# Emp# **HES Emp Name** CHAVEZ, ERIK Adrain 217398 CARRILLO. 10.5 371263 324693 COCHRAN, MICKEY R 10.5 5.0 **EDUARDO** Carrillo LOPEZ, JUAN 5.5 198514 Rosales Equipment Distance-1 way **HES Unit#** HES Unit # **HES Unit #** Distance-1 way Distance-1 way **HES Unit #** Distance-1 way 10219241 422831 50 mile 50 mile Job Hours Date On Location On Location Operating Operating Date On Location Operating Date Hours Hours Hours Hours Hours Hours TOTAL Total is the sum of each column separately **Job Times** Formation Name **Time Zone** Date Time Formation Depth (MD) Top 30 - Mar - 2007 03:00 CST Bottom Called Out 30 - Mar - 2007 07:30 CST Form Type **BHST** On Location 5828. ft 30 - Mar - 2007 09:00 CST Job depth MD Job Depth TVD 5828. ft Job Started Water Depth Wk Ht Above Floor 5. ft Job Completed 02 - Apr - 2007 10:30 CST Perforation Depth (MD) From 02 - Apr - 2007 12:30 CST Departed Loc То Well Data Weight Top MD **Description** New / Max Size ID Thread Grade **Bottom** qoT **Bottom** TVD TVD Used pressure in lbm/ft MD in ft ft ft psig Production 5.5 15.5 J-55 5848. Used 4.95 Casing 5800. Workstring Used 2.375 1.995 4.6 Tools and Accessories **Type** Size Qtv | Make | Depth Make Depth Size Make Type Size Qtv Type Qtv **Guide Shoe** Top Plug Packer Bridge Plug Float Shoe **Bottom Plug** Float Collar Retainer SSR plug set Insert Float Plug Container Stage Tool Centralizers Miscellaneous Materials **Gelling Agt** Acid Type Conc Conc Surfactant Conc Qty Treatment Fld Conc Inhibitor Conc Sand Type Size Qtv Fluid Data Stage/Plug #: 1 Mixing **Total Mix** Fluid Stage Type Fluid Name Qty Yield Mix Fluid Rate Qty-Gal/sk |bbl/min Fluid Gal/sk uom Density ft3/sk lbm/gal

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JUN 0 6 2007

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type			Fluid Na	ame		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	1	al Mix Gal/sk
1	THIX		- PREM 003685)	IUM - CL	ASS G, 94	LB SK	50	sacks	14.4	1.61	7.86		7.	.86
	10 %	CAL	-SEAL 60), BULK (100064022	:)								
	4 %	BEN	TONITE,	BULK (10	00003682)									
	1 %	CAL	CIUM CH	ILORIDE	- HI TEST I	PELLET	(1000050	53)						
	7.861 Gal	FRE	SH WAT	ER										
2	PREM G		CMT - PREMIUM - CLASS G, 94 LB SK (100003685) 50					sacks	15.8	1.15	5.07		5.	.07
3	Prem G (extra if needed)		- PREM 003685)	IUM - CL	ASS G, 94	LB SK		sacks	15.8	1.15	5.07		5.	.07
C	alculated Value	5	(1	Pressure	es		*		V	olumes				
Displa	cement		Shut In: I	nstant		Lost R	eturns		Cement S	lurry		Pad		
Top O	f Cement		5 Min			Cemen	t Returns	+	Actual Di		ent	Treatn	nent	
Frac G	radient		15 Min			Spacer	s		Load and	Breakdo	wn	Total J	lob	
						F	ates							
Circu	lating		М	ixing			Displac	ement			Avg. Jo	ob		
Cem	ent Left In Pipe	Amo	ount 0	ft Rea	son Shoe	Joint								
Frac	Ring # 1 @	ID	Frac	ring # 2	@	D	Frac Rin	g#3@	10		Frac Ring	#4@	10	5
Tł	ne Information	Stat	ted Her	ein Is C	orrect	Custon	ner Repres	entative S	Signature					



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JUN 0 6 2007

CONSERVATION DIVISION WICHITA, KS

HALLIBURTON

KCC JUN 0:5 2017 CONFIDENTIAL

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 302122	#: 302122 Ship To #: 2546446		Sales Order #: 5015382				
Customer: EOG RESOUF	RCES INC	Customer Rep: F	Rusk, Glen				
Well Name: Verna	We	II #: 11#2	API/UWI #:				
Field:	City (SAP): UNKNOWN	County/Parish: Stevens	State: Kansas				
Legal Description:							
Lat:		Long:					
Contractor: WORKOVER	Rig/Platfo	rm Name/Num: RIG 0					
Job Purpose: Squeeze He	ole in Casing		Ticket Amount:				
Well Type: Development \	Well Job Type:	Job Type: Squeeze Hole in Casing					
Calas Dassass DLAKEY I	OCEDII O O	COOLIDANI MICKE	V MBILIB E # 047000				

les Person: BLAKEY, JOSEPH Srvc Supervisor: COCHRAN, MICKEY									
Activity Description	Date/Time	Cht	Rate bbl/ min	Vol b	ume bl	Pressure psig		Comments	
A Committee of the Comm	Market 1	#	111111	Stage	Total	Tubing	Casing		
Call Out	03/30/2007 04:00							RECEIVED	
Arrive At Loc	03/30/2007 07:30						KANSAS	CORPORATION COMMISSION	
Start Job	03/30/2007 09:19							JUN 0 6 2007	
Test Lines	03/30/2007 09:20			0.5		3500. 0	C	DXSERVATION DIVISION WICHITA, KS	
Pump Spacer 1	03/30/2007 09:28		2	18	,		500.0	LOAD BACKSIDE / TUBING & CASING COMM. / MOVE TUBING & TRY AGAIN	
Comment	03/30/2007 10:26		2	5		1000. 0	1000. 0	STING OUT & TEST WELL / WELL HELD FOR 20 MIN.	
Comment	03/30/2007 11:00							RELEASE HALLIBURTON	
Call Out	04/02/2007 03:00		·						
Arrive At Loc	04/02/2007 07:00								
Start Job	04/02/2007 08:57			· ·					
Test Lines	04/02/2007 08:58								
Load Backside	04/02/2007 09:00		0.9	1			1000. 0		
Injection Test	04/02/2007 09:05		2	17		1400. 0	500.0	FRESH H2O	
Pump Lead Cement	04/02/2007 09:17		2	14		1600. 0	500.0	50 SKS @ 14.4#	
Pump Tail Cement	04/02/2007 09:23		2	10		700.0	500.0	50 SKS @ 15.8#	
Pump Displacement	04/02/2007 09:28		2	0		500.0	500.0	FRESH H2O	

Sold To #: 302122

Ship To #:2546446

Quote #:

Sales Order #:

5015382

SUMMIT Version:

7.10.386

Tuesday, June 05, 2007 03:27:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		4		volume nsig		Comments
		#		Stage	Total	Tubing	Casing					
Displ Reached Cmnt	04/02/2007 09:29		2	2		1600. 0	500.0	SLOW RATE				
Shutdown	04/02/2007 09:51		0	11.7		3100. 0	500.0	WELL PRESSURED UP / SHUT DOWN / STING OUT				
Reverse Circ Well	04/02/2007 09:52		1.5	0		1650. 0	1650. 0	REVERSE TUBING CLEAN				
Shutdown	04/02/2007 10:14		0	35		75.0		SHUT DOWN & KNOCK LOOSE / RIG TRIPPING TUBING				
Clean Lines	04/02/2007 10:18		6	30		150.0	150.0	WASH PUMP & LINES				
End Job	04/02/2007 10:24											

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JUN 0 6 2007

CONSERVATION DIVISION WICHITA, KS

Sold To #: 302122

Ship To #:2546446

Quote #:

Sales Order #:

5015382

SUMMIT Version: 7.10.386

Tuesday, June 05, 2007 03:27:00

(original)

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

JUN 0 6 2007

Operator: License # 5278	API NO. 15- 189-22569-0000 CONSERVATION DIVISION WIGHTA, KS
Name: EOG Resources, Inc.	County STEVENS
Address 3817 NW Expressway, Suite 500	S/2 - SE - NE - SW Sec. 11 Twp. 34 S. R. 38 EX W
City/State/Zip Oklahoma City, Oklahoma 73112	Feet from SN (circle one) Line of Section
Purchaser: ANADARKO ENERGY CO.	2310 Feet from EW circle one) Line of Section
Operator Contact Person: MINDY BLACK	Footages Calculated from Nearest Outside Section Corner:
Phone (405) 246-3130	(circle one) NE SE NW SW
Contractor: Name: ABERCROMBIE RTD, INC.	Lease Name VERNA Well # 11 #2
License: 30684	Red Name
License: 30684 Wellsite Geologist:	Producing Formation MORROW
Designate Type of Completion	Elevation: Ground 3188' Kelley Bushing 3200'
X New Well Re-Entry Workover	Total Depth 6750 Plug Back Total Depth 6654
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 1687' Feet
SIGW Temp. Abd.	Multiple Stage Cementing Collar Used? X Yes No
Dry Other (Core, WSW, Expl., Cathodic, etc.)	If yes, show depth set 3435' Feet
If Workover/Reentry: Old Well Info as follows:	If Alternate If completion, cement circulated from
Operator:	feet depth to w/sx cmt.
Well Name:	Orilling 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 ——Plug Back Total Depth	Dewatering method usedEVAPORATION
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.
12/28/06 1/11/07 1/25/07	QuarterSecTwpS.R
Spud Date or Date Reached TD Completion Date or Recompletion Date	County Docket No
Kansas 67202, within 120 days of the spud date, recompletion, world information on side two of this form will be held confidential for a period 82-3-107 for confidentiality in excess of 12 months). One copy of all CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge.	th the Kansas Corporation Commission, 130 S. MarkeT - Room 2078, Wichita, kover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. iod of 12 months if requested in writing and submitted with the form (see rule wireline logs and geologist well report shall be attached with this form. ALL all plugged wells. Submit CP-111 form with all temporarily abandoned wells. ulate the oil and gas industry have been fully complied with and the statements
THE TOTAL PROPERTY OF THE PARTY	KCC Office Use ONLY
Subscribed and sworn to before me this day of	Letter of Confidentiality Attached If Denied, Yes Date: Wireline Log Received Geologist Report Received
Date Commission Profites 11-33-09	UIC Distribution

Operator Name EOG I	lame EOG RESOURCES, INC. Lease Name VERNA						Well# 11 #2			
Sec. <u>11</u> Twp. <u>34</u>	S.R. 38	East	₩ Wes	t	County _	STEVENS				
INSTRUCTIONS: Sho tested, time tool open a temperature, fluid reco Electric Wireline Logs s	and closed, now every, and flow	ving and snut- rates if das	in pressure to surfac	es,wh xe duri	ether shut-in ina test. Att	pressure read	hed static level	hydrostatic	nzaccurac hottom ha	
Drill Stem Tests Taken X Yes No (Attach Additional Sheets.)					☑ Log Formation (Top), Depth and Datums					
Samples Sent to Geolog	ical Survey	X Yes	□ No		Name	•	Тор	D	atum	
Cores Taken		Yes	X No							
Electric Log Run (Submit Copy.)		X Yes	☐ No		SEE ATTAC	HED SHEET	KANSAS	RECEI' CORPORATI	VED ON COMMISSION	
List All E.Logs Run:							e	IUN 0 6	2007	
COMPENSATED RESIST DENSITY NEUTRON, I WAVESONIC	ITIVITY, MIC DENSITY NEUT	ROLOG, MUD RON W/MICR	IOG, 10,				co	NSERVATIOI WICHITA	KS JUN 05	
		CASING	RECORD		New 🔀 U	sed	•	 -	CONFID	
	Repoi	rt all strings se	t-conducto	r, surfa	_	liate, production	n, etc.			
Purpose of String	Size Hole Drilled	Size Cas Set (In C			/eight bs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
SURFACE	12 1/4"	8 5/8"		24#		1687'	MIDCON-2 PP	330	SEE OMP TIX	
PRODUCTION	7 7/8"	5 1/2"					PREM PLUS	180	SEE OMT TIX	
	/ //6"		ITIONAL C	15.	5.5# 6749' 50/50POZ PP 340 SEE OMT TIX ENTING/SQUEEZE RECORD					
Purpose Perforate	Depth Top Bottom		Cement		#Sacks Used Type and Percent Add				vės	
Protect Casing Plug Back TD	34281	PREM G		50		10%CAL-SE	10%CAL-SEAL, 4% BENTONITE BULK, 1% CC. 7			
Plug Off Zone					:	FRESH WAT	ER			
Shots Per Foot	PERFORATION Specify Foot	RECORD - Br age of Each in	idge Plugs terval Perf	Set/T orated	ype	Acid, Fractur (Amount and	e, Shot, Cement S Kind of Material U	qeeze Reco	ord Depth	
4 SPF	5828'-5849'					N/A			N/A	
										
	Size 2 3/8"	Set At 5825 '	KB	Pac N/2	ker At A	Liner Run	Yes 🔀	No		
Date of First, Resumed I	Production, SW	/D or Enhr.	Produc	ing Me		umping ∐Ga	s Lift ☐ Othe	r (Explain)	· · · · · · · · · · · · · · · · · · ·	
Estimated Production Per 24 Hours	Oil 57	Bbls.	Gas	М	cf Wate	r Bbls.	Gas-Oil R	atio	Gravity	
isposition of Gas:		F COMPLETION	6701		13	··	117561		0.7220	
Vented X Sold	Used on Le			ے مار	Perforation	Dually Ca	Production Interva			
(If vented, submit A					•	☐ Duality Co	mp. Comming			
		Ĺ	Other (S	specify	" <u>——</u>					

	ACO-1 Well Name : VERNA 11 #2									
FORMATION	ТОР	DATUM								
NEVA	3194	6								
ADMIRE	3330	-130								
TOPEKA	3718	-518								
BASE OF HEEBNER	4186	-986								
STARK	4825	-1625								
CHEROKEE	5334	-2134								
ATOKA	5700	-2500								
ST LOUIS	6507	-3307								

WCC JUN 0'5 2007 COMFIDENTIVAL

RECEIVED KANSAS CORPORATION COMMISSION

JUN 0 6 2007

CONSERVATION DIVISION VACUUM, KS