



KANSAS CORPORATION COMMISSION 1068539
OIL & GAS CONSERVATION DIVISION

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 # 5278
Name: EOG Resources, Inc.
Address 1: 3817 NW EXPRESSWAY STE 500
Address 2: _____
City: OKLAHOMA CITY State: OK Zip: 73112 + 1483
Contact Person: Sheila Rogers
Phone: (405) 246-3100
CONTRACTOR: License # 34000
Name: Kenai Mid-Continent, Inc.
Wellsite Geologist: NA
Purchaser: _____

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☒ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Conv. to GSW
☐ Plug Back: _____ Plug Back Total Depth: _____
☐ Commingled Permit #: _____
☐ Dual Completion Permit #: _____
☐ SWD Permit #: _____
☐ ENHR Permit #: _____
☐ GSW Permit #: _____

07/14/2011 07/19/2011 07/20/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-067-21726-00-00
Spot Description: _____
NE NW SE Sec. 14 Twp. 30 S. R. 38 ☐ East ☒ West
2310 Feet from ☐ North / ☒ South Line of Section
1650 Feet from ☒ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☒ SE ☐ SW
County: Grant
Lease Name: Vergil Well #: 14 #1
Field Name: _____
Producing Formation: NA
Elevation: Ground: 3133 Kelly Bushing: 3145
Total Depth: 6100 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1737 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 cmf.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 4000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: West Sunset Disposal, LLC
Lease Name: ROEHR License #: 32462
Quarter SW Sec. 36 Twp. 34 S. R. 36 ☐ East ☒ West
County: Stevens Permit #: D27649

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: 11/29/2011
☐ Confidential Release Date: _____
☒ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution
ALT ☒ I ☐ II ☐ III Approved by: Deanna Garrison Date: 11/30/2011



1068539

Operator Name: EOG Resources, Inc. Lease Name: Vergil Well #: 14 #1
 Sec. 14 Twp. 30 S. R. 38 ☐ East ☒ West County: Grant

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <small>Borehole Compensated Sonic Porosity Delta-T Log, Array Compensated Resistivity Log, Array Compensated Resistivity Log, Spectral Density Dual Spaced Neutron Microlog, Spectral Density Dual Spaced Neutron Microlog</small>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Attached
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CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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	12.25	8.625	24	1737	Varicem & Swiftcarr	500	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

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: <input 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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input checked="" type="checkbox"/> Other (Specify) <u>P&A</u>	PRODUCTION INTERVAL: _____ _____
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ACO-1 Completion Report

Well Name : VERGIL 14 #1

FORMATION	TOP	DATUM
BASE OF HEEBNER	3922	-777
LANSING	4017	-872
MARMATON	4621	-1476
CHEROKEE	4843	-1698
ATOKA	5146	-2001
ATOKA LIME	5221	-2076
MORROW	5288	-2143
CHESTER	5640	-2495
ST. LOUIS	5828	-2683

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223		Ship To #: 2866054		Quote #:		Sales Order #: 8322993	
Customer: EOG RESOURCES INC EBUSINESS				Customer Rep: KNOX, MIKE			
Well Name: Vergil 14			Well #: 1		API/UWI #: 15-067-21726		
Field:		City (SAP): ULYSSES		County/Parish: Grant		State: Kansas	
Legal Description: Section 14 Township 30S Range 38W							
Contractor: KENAI			Rlg/Platform Name/Num: 58				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: DRAKE, BRANDON			Srvc Supervisor: GRAVES, JEREMY		MBU ID Emp #: 399155		
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
ARCHULETA, ERICK	8	454260	BERUMEN, EDUARDO	8	267804	CHAVEZ, ERIK Adrain	8
GOMEZ, OSCAR	8	490448	GRAVES, JEREMY Lee	8	399155	Norton, Bruce	8
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
TOTAL		Total is the sum of each column separately					
Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	15 - Jul - 2011	15:00	CST
Form Type	BHST			On Location	15 - Jul - 2011	19:00	CST
Job depth MD	1737. ft		Job Depth TVD	1742. ft	Job Started	16 - Jul - 2011	02:30
Water Depth	Wk Ht Above Floor			3. ft	Job Completed	16 - Jul - 2011	04:00
Perforation Depth (MD)	From	To		Departed Loc	16 - Jul - 2011	05:00	CST
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Surface Hole				12.25			
Surface Casing	Unknown		8.625	8.097	24.		
Sales/Rental/3 rd Party (HES)							
Description	Qty	Qty uom	Depth	Supplier			
SHOE,CSG,TIGER TOOTH,8 5/8 IN 8RD	1	EA					
CENTRALIZER ASSY - API - 8-5/8 CSG X	9	EA					
KIT,HALL WELD-A	1	EA					
CLR,FLT,TROPHY SEAL,8-5/8 8RD	1	EA					
AUTOFILL KIT,TROPHY SEAL	1	EA					
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA					
SUGAR - GRANULATED	30	LB					
Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	

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	VARICEM (TM) CEMENT (452009)	300.0	sacks	11.4	2.96	18.14		18.14	
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.1 %	WG-17, 50 LB SK (100003623)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	18.138 Gal	FRESH WATER								
2	Tail Cement	SWIFTCEN (TM) SYSTEM (452990)	200.0	sacks	15.6	1.2	5.22		5.22	
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	5.218 Gal	FRESH WATER								
3	Displacement		108.00	bbl	8.33	.0	.0	.0		
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						

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2866054	Quote #:	Sales Order #: 8322993
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: KNOX, MIKE	
Well Name: Vergil 14	Well #: 1	API/UWI #: 15-067-21726	
Field:	City (SAP): ULYSSES	County/Parish: Grant	State: Kansas
Legal Description: Section 14 Township 30S Range 38W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: KENAI		Rig/Platform Name/Num: 58	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: GRAVES, JEREMY	MBU ID Emp #: 399155

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/15/2011 17:00							
Depart Location Safety Meeting	07/15/2011 19:30							JOURNEY MANAGEMENT
Arrive At Loc	07/15/2011 21:00							
Assessment Of Location Safety Meeting	07/15/2011 21:15							SPOT TRUCKS AND TALK WITH COMPANY MAN ABOUT PROCEDURES AND GOT NUMBERS FROM HIM
Pre-Rig Up Safety Meeting	07/15/2011 21:30							WENT OVER ALL POSSIBLE HAZARDS ON LOCATION
Rig-Up Completed	07/15/2011 22:00							
Other	07/15/2011 22:30							RIG CASING CREW UP RUNNING CASING INTO THE HOLE
Other	07/16/2011 01:33							C ASING ON BOTTOM RIG DOWN CASING CREW
Safety Meeting - Pre Job	07/16/2011 02:15							
Start Job	07/16/2011 02:26							
Test Lines	07/16/2011 02:32						3000.0	TEST LINES TO 3000PSI
Pump Lead Cement	07/16/2011 02:39		7	158	158			300SKS MIXED AT 11.4
Pump Tail Cement	07/16/2011 02:58		7	43	201			200SKS MIXED AT 15.6
Drop Top Plug	07/16/2011 03:05							

HALLIBURTON**Cementing Job Log**

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	07/16/2011 03:07		10 2	108	309			TOTAL OF 108BBLs COMPANY MAN HAD US PUMP 88 AND STOP FOR 5MIN AND THEN PUMP 5 MORE AT 2BBLs PER MIN AND STOP AGAIN REPEATED THIS PROCESS UNTIL BUMPED PLUG
Bump Plug	07/16/2011 03:46						780	BUMPED PLUG AT 780 foot to 1400ft
Check Floats	07/16/2011 03:48							FLOATS HELD
End Job	07/16/2011 03:51							THANKS FOR CALLING HALLIBURTON
Pre-Rig Down Safety Meeting	07/16/2011 04:00							WENT OVER POSSIBLE HAZARDS GIVEN BY ERIC ARCHULETA
Rig-Down Completed	07/16/2011 04:15							
Depart Location for Service Center or Other Site	07/16/2011 05:00							JOURNEY MANAGEMENT

Sold To # : 348223

Ship To # : 2866054

Quote # :

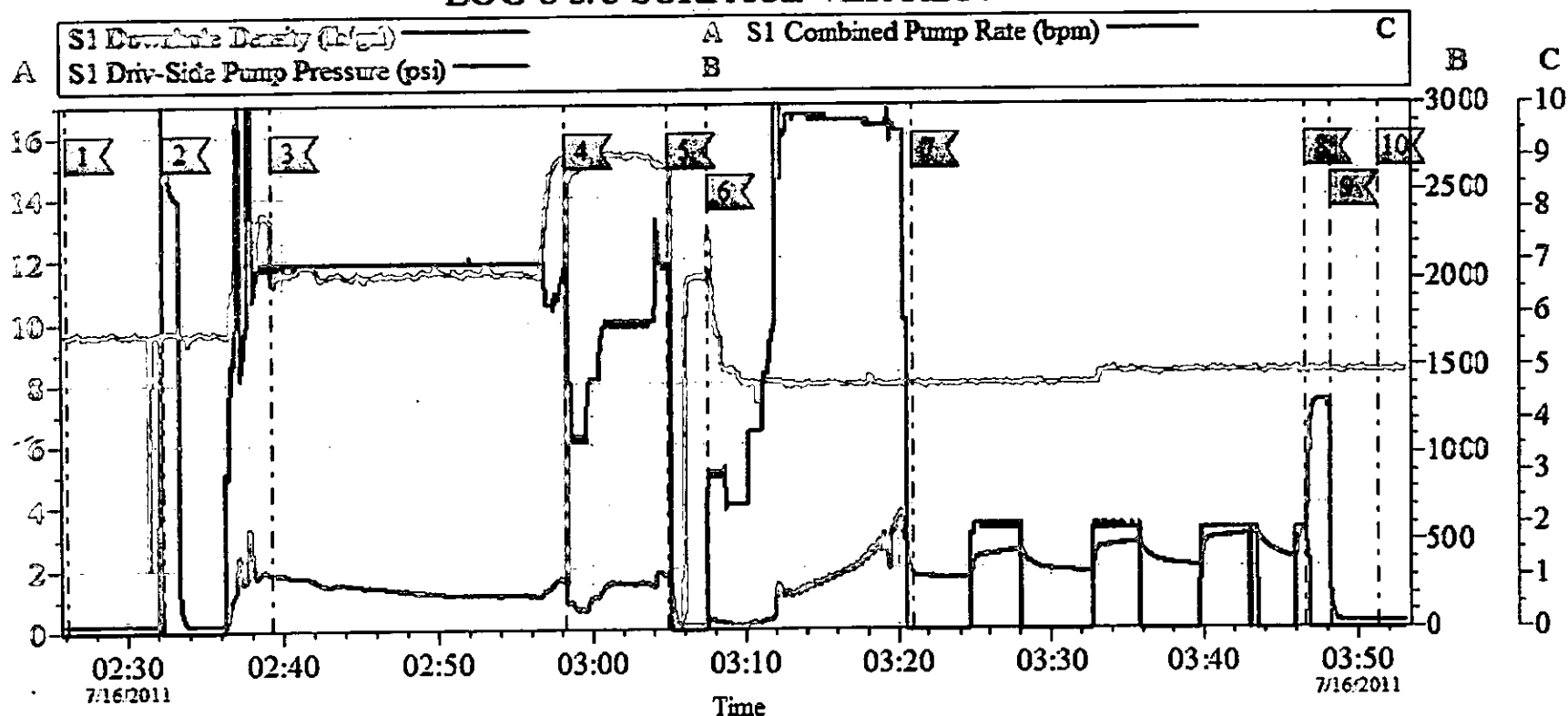
Sales Order # :

8322993

SUMMIT Version: 7.2.27

Saturday, July 16, 2011 04:09:00

EOG 8 5/8 SURFACE VERGIL14-1



Local Event Log

1X PUMP LEAD CEMENT	02:26:08	5X PRESSURE TEST	02:32:21
3X START JOB	02:39:16	6X PUMP TAIL CEMENT	02:58:16
4X DROP PLUG	03:05:02	7X PUMP DISPLACEMENT	03:07:35
5X STAGE IN DISPLACEMENT	03:21:00	8X BUMP PLUG	03:46:33
9X CHECK FLOATS	03:48:14	10X END JOB	03:51:16

Customer:
Well Description:

Job Date: 16-Jul-2011
UWI:

Sales Order #: 8322993

OptiCem v6.4.7
16-Jul-11 04:00

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

November 21, 2011

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

Re: ACO1
API 15-067-21726-00-00
Vergil 14 #1
SE/4 Sec.14-30S-38W
Grant 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,
Sheila Rogers

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

November 30, 2011

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

Re: ACO-1
API 15-067-21726-00-00
Vergil 14 #1
SE/4 Sec. 14-30S-38W
Grant County, Kansas

Dear Sheila Rogers:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/14/2011 and the ACO-1 was received on November 29, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department