KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31769
Name: ATMOS ENERGY CORPORATION
Address 1: 1555 BLAKE STREET, STE. 400
Address 2:
City: DENVER State: CO Zip: 80202 + ____
Contact Person: STEVE MITCHELL
Phone: (303) 570-3000 CELL; 970-304-2066 OFFICE
CONTRACTOR: License # MCLEAN'S CP INSTALLATION
Name: LIC.#: 32775
Wellsite Geologist:
Purchaser:

Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW
____ Gas ____ ENHR ____ SIGW
____ CM (Coal Bed Methane) ____ Temp. Abd.
____ Dry ✓ Other CATHODIC
(Core, WSW, Expl., Cathodic, 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
____ Plug Back: ____ Plug Back Total Depth
____ Commingled Docket No.:
____ Dual Completion Docket No.:
____ Other (SWD or Enhr.?) Docket No.:

9-22-2009	9-22-2009	9-22-2009
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 075-20846-00-00
Spot Description:
NE - NE - NW - ____ Sec. 6 Twp. 25 S. R. 39 ☐ East ☑ West
357 Feet from ☑ North / ☐ South Line of Section
1992 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
County: HAMILTON
Lease Name: KENDALL 6" LATERAL Well #: KENDALL #1
Field Name:
Producing Formation:
Elevation: Ground: 3198' Kelly Bushing:
Total Depth: 250' Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 40 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 cmt.

Drilling Fluid Management Plan AH II NCR 12-8-09
(Data must be collected from the Reserve Pit)
Chloride content: 3200 ppm Fluid volume: ____ bbls
Dewatering method used: NOTE-DRILLING WATER CAME FROM JOHNSON, KS CITY SUPPLIES
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: ____ License No.:
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: ____ Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Steve Mitchell
Title: CORROSION COORDINATOR Date: 12-2-2009
Subscribed and sworn to before me this 2nd day of December
20 09.
Notary Public: Hillary S. Wagner
Date Commission Expires: 12/18/2012

HILLARY S. WAGNER
NOTARY PUBLIC
STATE OF COLORADO
MY COMMISSION EXPIRES 12/18/09

KCC Office Use ONLY
N
____ Letter of Confidentiality Received
If Denied, Yes ☐ Date:
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

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Side Two

Operator Name: ATMOS ENERGY CORPORATION Lease Name: KENDALL 6" LATERAL Well #: KENDALL #1

Sec. 6 Twp. 25 S. R. 39 ☐ East ☑ West County: HAMILTON

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run *(Submit Copy)*	☑ Yes	☐ No

List All E. Logs Run:

SEE ATTACHED LOG.

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

CASING RECORD ☑ New ☐ 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 CASING	17 1/2"	10 3/4"		40'	BENTONITE	50	

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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
	ANODE DEPTHS: 52', 67' 82', 97', 112', 128',		
	144', 160', 176', 192', 208', 224', 240'.		

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TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Enhr. COMPLETION DATE: 9-22-2009

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other *(Specify)* _____

PRODUCTION INTERVAL: _____

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

McLean's
CP Installation, Inc.
4520 State Hwy 136, Amarillo, TX 79108-7617 • tel. 806-383-5047 • fax 806-383-1716

Deep Well GroundBed Data:						Date:	09/22/09				
Job Number:	ATE401-2009-KS					Drilling Contractor:	MCLEAN'S CP INSTALLATION				
Company Name:	ATMOS- GREELEY GAS					Facility/Line:	KENDALL 6"				
Subject:	DEEP WELL					State:	KS				
Well Depth:	250'					County:	HAMILTON				
Diameter:	10"					Other-Driller:	TR				
Casing:	40'										
Type of Backfill:	CONDUCRETE					TEST VOLTAGE:	14.8				
Anode Type:	SAE MMO ANODES										
Remarks:											

Drilling Log			Electrical Log				Anode Log		
			BEFORE BACKFILL				AFTER BACKFILL		
Depth:	Formation Type:	Material:	Volt	Anode Depth	Anode #		Volt	Anode Depth	Anode #
0'	SAND	CASING							
5'	SAND	CASING							
10'	SAND	CASING							
15'	SAND	CASING							
20	SAND	CASING							
25	SAND	CASING							
30	SAND	CASING							
35	SAND	CASING							
40	SAND	CONDUCRETE							
45	SAND	CONDUCRETE							
50	GRAVEL	CONDUCRETE					52	13	0.9
55	GRAVEL	CONDUCRETE							
60	GRAVEL	CONDUCRETE							
65	GRAVEL	CONDUCRETE					67	12	0.9
70	SANDY GRAVEL	CONDUCRETE							
75	SANDY GRAVEL	CONDUCRETE							
80	SANDY GRAVEL	CONDUCRETE					82	11	1.1
85	SANDY GRAVEL	CONDUCRETE							
90	SANDY GRAVEL	CONDUCRETE							
95	SANDY GRAVEL	CONDUCRETE					97	10	1.2
100	SANDY GRAVEL	CONDUCRETE							
105	SANDY GRAVEL	CONDUCRETE							
110	SANDY GRAVEL	CONDUCRETE					112	9	1
115	SANDY GRAVEL	CONDUCRETE							
120	CLAY	CONDUCRETE							
125	GRAVEL	CONDUCRETE					128	8	1.2
130	SHALE	CONDUCRETE							
135	SHALE	CONDUCRETE							
140	GRAVEL	CONDUCRETE					144	7	1
145	GRAVEL	CONDUCRETE							
150	SHALE	CONDUCRETE							
155	SHALE	CONDUCRETE							
160	SHALE	CONDUCRETE					160	6	1.4
165	SHALE	CONDUCRETE							
170	SHALE	CONDUCRETE							
175	SHALE	CONDUCRETE					176	5	1.2
180	SHALE	CONDUCRETE							
185	SHALE	CONDUCRETE							
190	SHALE	CONDUCRETE					192	4	1.4
195	SHALE	CONDUCRETE							
200	SHALE	CONDUCRETE							
205	SHALE	CONDUCRETE					208	3	3.2
210	SHALE	CONDUCRETE							
215	SHALE	CONDUCRETE							
220	SHALE	CONDUCRETE					224	2	2.5
225	SHALE	CONDUCRETE							
230	SHALE	CONDUCRETE							
235	SHALE	CONDUCRETE							
240	SHALE	CONDUCRETE					240	1	1.1
245	SHALE	CONDUCRETE							
250	SHALE	CONDUCRETE							

NOTE - THE ELECTRICAL LOG RECORD FOR THIS HOLE HAS NOT BEEN FOUND . UNFORTUNATELY THIS WAS NOT NOTICED UNTIL AFTER THE CONDUCRETE WAS INSTALLED. LEAVING NO WAY TO OBTAIN AN ELECTRICAL LOG IN WATER WITH ONE ANODE.
THE LOG SEEN HERE TO THE RIGHT WAS TAKEN AFTER WAITING THE REQUIRED 30 DAY CURE TIME FOR CONDUCRETE BY DISCONNECTING ALL ANODES AND ENERGIZING EACH ANODE INDIVIDUALL WITH 14.8 VDC TO OBTAIN AN INDIVIDUAL STRUCTURE LOG WHERE THE ANODES ARE PLACED.