



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1208569  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1208569

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Atmos Energy Corporation
Well Name	NW Ulysses - Rd G & Rd 9 AREA IV
Doc ID	1208569

Tops

Name	Top	Datum
SANDY BROWN CLAY	0	
BROWN SAND	20	
BROWN CLAY W/GRAVEL	100	
BROWN CLAY	105	
TAN SANDY CLAY	125	
TAN CLAY	130	
TAN SANDY CLAY	140	
TAN CLAY	160	
TAN SANDY CLAY	165	
TAN SANDY CLAY W/GRAVEL	185	
TAN BROWN SAND	225	
WHITE/TAN SAND	255	
TAN SAND/SANDSTONE	265	
TAN SAND	275	
TAN SANDY CLAY	295	
BROWN CLAY W/GRAVEL	310	
BROWN/WHITE CLAY W/GRAVEL	315	
WHITE CLAY W/GRAVEL	325	
BLACK SHALE	385	
HOLE BOTTOM - BLACK SHALE	450	



# TARBET

INCORPORATED

097894

Rt. 3 / 303 South Rd. I  
Ulysses, Kansas 67880  
(620) 356-2110

Box 142  
Colby, Kansas 67701  
(785) 462-7432

CUSTOMER'S  
ORDER NO.

DATE

5-15

20 14

SOLD TO

McCleary CP Installations

ADDRESS

W To G 3 N Winto

DRIVER	CASH	CHARGE	ON ACCT.		
<i>Rock</i>				<i>UP</i>	
QTY.	DESCRIPTION		PRICE	AMOUNT	
	YDS	SACK CONCRETE			
		% CALCIUM CHLORIDE			
		OZ WRDA			
		OZ AIRE			
		<i>102 sbs cement</i>			
	MILE HAUL	<i>503 yds water</i>			
		LBS OR % ROCK			
		HOT WATER			
		<i>Reacement used to pre-plug hole.</i>			
		SERV CHG ORD OF 1 TO 3 YDS			
		WAITING TIME			
		<i>Steve Matabel</i>			
		<i>Atmos Energy</i>			
		<i>5-15-2014</i>			
		TAX			
	YDS				
	MI HAUL				
RECEIVED BY			TOTAL		
NO. 100					

All claims and returned goods MUST be accompanied by this bill.

ALL PURCHASES MADE ON CREDIT DURING THE MONTH ARE DUE AND PAYABLE BY THE 10th OF THE FOLLOWING MONTH. ANY BALANCE NOT PAID BY THE 25th DAY OF THE FOLLOWING MONTH SHALL BE SUBJECT TO A FINANCE CHARGE COMPUTED AT A PERIODIC RATE OF 1½% PER MONTH, OR A MINIMUM CHARGE OF 50¢. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%.

ATMOS ENERGY CORPORATION, CO - KS DIVISION  
DEEP WELL GROUND BED DATA

STATE: KANSAS CITY: ULYSSES (OCL) DATE: May 15, 2014

PROJECT NUMBER: 060.30472 NW ULYSSES RECTIFIER AND GROUND BED

LOCATION: WS N RD G @ CO RD 9 ROW EASEMENT. 3 MILES W OF ULYSSES AND 2.98 MILES N OF US HWY 160 C/L. GRANT CO, KS.

CONTRACTOR: MCLEAN'S CP INSTALLATION INSPECTOR: STEVE MITCHELL, ATMOS ENERGY, #10836

GROUND BED: DEPTH - 450 FEET DIA - 10 INCHES

ANODES: NUMBER - 15 TYPE - ENVIRANODES MFG. - SAE

CASING: SIZE - 10 INCHES TYPE - PVC DEPTH - 20 FEET

COKE BREEZE: AMOUNT - 7205 LBS. TYPE - CONCRETE MFG. - SAE

CASING CENTRALIZER SPACING: 20 FT. 0 FT. 0 FT. 0 FT. 0 FT.

DEPTH (FEET)	DRILLER'S LOG	WELL COLUMN NOTES	DEPTH TO ANODE	BEFORE COKE	AFTER COKE
5	SANDY BROWN CLAY	WELL TOP 32" DEEP BENTONITE HOLE PLUG 5 FT TO 10 FT	25 - 50# BAGS OF BENTONITE HOLE PLUG USED TO SET CASING	14.65 VDC	SAE
10	SANDY BROWN CLAY			APPLIED	BACKFILL
15	SANDY BROWN CLAY				CANNOT
20	SANDY BROWN CLAY				BE
25	BROWN SAND				ENERGIZED
30	BROWN SAND				FOR 30
35	BROWN SAND				DAYS TO
40	BROWN SAND				ALLOW
45	BROWN SAND				FOR
50	BROWN SAND				CURING
55	BROWN SAND		TURN ON		
60	BROWN SAND		DATE IS		
65	BROWN SAND		JUNE 16.		
70	BROWN SAND				
75	BROWN SAND				
80	BROWN SAND				
85	BROWN SAND				
90	BROWN SAND				
95	BROWN SAND				
100	BROWN CLAY W/GRAVEL				
105	BROWN CLAY				
110	BROWN CLAY	NEAT CEMENT FROM 10 FT TO 222 FT			
115	BROWN CLAY				
120	BROWN CLAY				
125	TAN SANDY CLAY				
130	TAN SANDY CLAY				
135	TAN CLAY				
140	TAN SANDY CLAY				
145	TAN SANDY CLAY				
150	TAN SANDY CLAY				
155	TAN SANDY CLAY				
160	TAN CLAY				
165	TAN SANDY CLAY				
170	TAN SANDY CLAY				
175	TAN SANDY CLAY				
180	TAN SANDY CLAY				
185	TAN SANDY CLAY W/GRAVEL				
190	TAN SANDY CLAY W/GRAVEL				
195	TAN SANDY CLAY W/GRAVEL		AMPS		
200	TAN SANDY CLAY W/GRAVEL		1		
205	TAN SANDY CLAY W/GRAVEL				
210	TAN SANDY CLAY W/GRAVEL		1		
215	TAN SANDY CLAY W/GRAVEL				
220	TAN SANDY CLAY W/GRAVEL		1		
225	TAN BROWN SAND				
230	TAN BROWN SAND		1.6		
235	TAN BROWN SAND	CONCRETE FROM 222 FT TO 450 FT	235 FT		
240	TAN BROWN SAND			1	
245	TAN BROWN SAND				
250	TAN BROWN SAND				
250	TAN BROWN SAND			249 FT	0.7

DEPTH (FEET)	DRILLER'S LOG	WELL COLUMN BACKFILLING	DEPTH TO ANODE	BEFORE COKE AMPS	AFTER COKE
255	WHITE/TAN SAND	CONDUCRETE FROM 222 FT TO 450 FT			SAE
260	WHITE/TAN SAND		263 FT	1.3	BACKFILL
265	TAN SAND/SANDSTONE				CANNOT
270	TAN SAND/SANDSTONE			1.5	BE
275	TAN SAND		278 FT		ENERGIZED
280	TAN SAND			1.9	FOR 30
285	TAN SAND				DAYS TO
290	TAN SAND		292 FT	1.8	ALLOW
295	TAN SANDY CLAY				FOR
300	TAN SANDY CLAY			2	CURING
305	TAN SANDY CLAY		306 FT		TURN ON
310	BROWN CLAY W/GRAVEL			1.6	DATE IS
315	BROWN/WHITE CLAY W/GRAVEL				JUNE 16.
320	BROWN/WHITE CLAY W/GRAVEL		320 FT	1.4	
325	WHITE CLAY W/GRAVEL				
330	WHITE CLAY W/GRAVEL			0.9	
335	WHITE CLAY W/GRAVEL		335 FT		
340	WHITE CLAY W/GRAVEL			1.7	
345	WHITE CLAY W/GRAVEL		349 FT		
350	WHITE CLAY W/GRAVEL			1.3	
355	WHITE CLAY W/GRAVEL				
360	WHITE CLAY W/GRAVEL		363 FT	1.5	
365	WHITE CLAY W/GRAVEL				
370	WHITE CLAY W/GRAVEL			1.5	
375	WHITE CLAY W/GRAVEL		377 FT		
380	WHITE CLAY W/GRAVEL			1.7	
385	BLACK SHALE				
390	BLACK SHALE		391 FT	1.8	
395	BLACK SHALE				
400	BLACK SHALE			1.8	
405	BLACK SHALE	406 FT			
410	BLACK SHALE		1.7		
415	BLACK SHALE				
420	BLACK SHALE	420 FT	1.9		
425	BLACK SHALE				
430	BLACK SHALE		1.8		
435	BLACK SHALE	434 FT			
440	BLACK SHALE		1.5		
445	BLACK SHALE				
450	BLACK SHALE				
455	BLACK SHALE				
500	BLACK SHALE				

COMMENTS: ALL ANODE DEPTHS ARE TOP OF THE ANODE. MEASURED 120 mg/L OF CHLORIDE (CITY OF ULYSSES WATER) BEFORE DRILLING BEGAN AND 140 mg/L OF CHLORIDE FROM PIT ON MAY 15, 2014 BEFORE PIT CONTENTS DISTURBED. 15 SAE ENVIRANODES PLUS 7205# SAE CONDUCRETE SETTLED AT 222 FT. PUMPED NEAT CEMENT (102 - 90# BAGS CEMENT W/503 GALLONS OF WATER) FROM 222 FT TO 10 FT. Poured in 7 - 50# BAGS OF BENTONITE HOLE PLUG ON TOP OF NEAT CEMENT. INSTALLED PITLESS ADAPTER TEE (10"X2"X10") ON CASING. CONNECTED 2' PVC PIPE TO ADAPTER AND RAN TO ANODE JUNCTION BOX. ANODE WIRES FROM WELL TO RECTIFIER POLE ARE BURIED 30"-32" DEEP. YELLOW "CATHODIC PROTECTION" TAPE LAYS 15" ABOVE ANODE WIRES/PVC PIPE. CAPPED 10" PVC CASING WITH 10" PVC CAP - CAP IS 30" - 32" BELOW GRADE. WELL IS "PRE-PLUGGED".

DRILLING PIT LEFT OPEN TO ALLOW FOR EVAPORATION TO DE-WATER PIT CONTENTS. ESTIMATED PIT HOLDS 200 BARRELS OF DRILLING MUD CREATED FROM POTABLE WATER AND DOWNHOLE MATERIALS. PIT IS LINED WITH PLASTIC. ATMOS ENERGY CREWS WILL MONITOR PITS FOR DEWATERING. ONCE DONE, THEY WILL CUT OFF LINER 6" BELOW GRADE AND BACKFILL. LAND WILL THEN BE RESTORED TO CRP STATUS BY CERTIFIED CONTRACTOR.

RECTIFIER IS UNIVERSAL 240 VAC INPUT WITH 50 V / 50 A OUTPUT.

7200# SAE CONDUCRETE W/15 - ENVIROANODES UNIVERSAL 50V/50A RECTIFIER  
20 FOOT X 10.5 INCH PVC SCH 40 CASING SET INTO 17.5 INCH HOLE AND CEMENTED  
INTO PLACE WITH 25 - 50# BAGS OF BENTONITE HOLE PLUG.

10 INCH X 450 FOOT DEEP GROUNDBED WITH BELOW GROUND COMPLETION

WELL IS PRE-PLUGGED BY PUMPING NEAT CEMENT PLUG FROM TOP OF CONDUCRETE  
COLUMN (222 FT) TO INSIDE OF SURFACE CASING (10 FT) THEN FILLING REMAING SPACE  
(10 FT TO 5 FT) TO PITLESS ADAPTER ((PVC TEE) WITH 7 - 50# BAGS OF BENTONITE HOLE PLUG.  
WATERTIGHT 10 INCH PVC CAP INSTALLED.

