



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1062907

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ 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 <i>(Amount and Kind of Material Used)</i>	Depth

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

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	PetroSantander (USA) Inc.
Well Name	MILLER 4-13
Doc ID	1062907

All Electric Logs Run

Dual Compensated Porosity Log
Dual Induction Log
Microresistivity Log
Mud Log

Form	ACO1 - Well Completion
Operator	PetroSantander (USA) Inc.
Well Name	MILLER 4-13
Doc ID	1062907

Tops

Name	Top	Datum
Heebner	3887	-812
Lansing	3993	-918
Swope	4300	-1225
BKC	4430	-1355
Pawnee	4518	-1443
Cherokee	4585	-1510
Morrow Shale	4792	-1717
Basal Sst	4848	-1773
Mississippian	4862	-1787

Cement Report

Customer <i>Petrosantander</i>	Lease No.	Date <i>5-31-11</i>
Lease <i>Miller</i>	Well # <i>4</i>	Service Receipt <i>171701762</i>
Casing <i>5 1/2</i>	Depth <i>4950</i>	County <i>Keosauha</i> State <i>Ks</i>
Job Type <i>242 5 1/2 L.S.</i>	Formation	Legal Description <i>13 21 25</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2</i>	Tubing Size	Shots/Ft		Lead <i>121 5120185 sk AA</i>
Depth <i>4950</i>	Depth	From	To	<i>1.59 # 7 sk @ 14.8 #/gal</i>
Volume	Volume	From	To	<i>@ 11.8 #/gal</i>
Max Press	Max Press	From	To	<i>grad stage 215 sk A-CCU</i>
Well Connection	Annulus Vol.	From	To	Tail in <i>2.95 # 7 sk</i>
Plug Depth	Packer Depth	From	To	<i>18.15 sk @ 11.4 #/gal</i>
				<i>55 sk Premium +</i>
				<i>1.37 # 7 sk @ 14.8 #/gal</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>03:45</i>					<i>on loc. / Rig Running Csg</i>
<i>03:50</i>					<i>Held Safety Meeting</i>
<i>06:00</i>					<i>Csg on Bottom Cir. w/ Rig</i>
<i>07:01</i>	<i>3500</i>				<i>Test Pump + Lines</i>
<i>07:02</i>	<i>400</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H₂O</i>
<i>07:03</i>	<i>500</i>		<i>12</i>	<i>5</i>	<i>Start Super Flush II</i>
<i>07:06</i>	<i>500</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H₂O</i>
<i>07:08</i>			<i>51</i>	<i>5-4</i>	<i>Start Cmt 185 sk @ 14.8 #</i>
<i>07:22</i>					<i>Shutdown + Drop Plug</i>
<i>07:25</i>					<i>Wash Pump + Lines</i>
<i>07:31</i>	<i>200</i>		<i>0</i>	<i>6</i>	<i>Start Disp. w/ Fresh H₂O</i>
			<i>67</i>	<i>6</i>	<i>Switch to Mud</i>
<i>07:40</i>	<i>700</i>		<i>108</i>	<i>3</i>	<i>Slow Rate</i>
<i>07:52</i>	<i>1700</i>		<i>117.5</i>	<i>3</i>	<i>Bump Plug</i>
<i>07:53</i>	<i>0</i>		<i>118</i>	<i>0</i>	<i>Release / Float Held</i>
<i>07:55</i>					<i>Drop Opening Plug</i>
<i>08:13</i>					<i>Open Tool</i>
<i>08:15</i>					<i>Cir. w/ Rig Pump.</i>
					<i>2nd Stage</i>
<i>11:27</i>	<i>3500</i>				<i>Test Pump + Lines</i>
<i>11:23</i>	<i>250</i>		<i>113</i>	<i>6</i>	<i>Start Lead Cmt 215 sk @ 11.4 #</i>
<i>11:42</i>	<i>300</i>		<i>13</i>	<i>6</i>	<i>Start Tail Cmt 55 sk @ 11.8 #</i>

Service Units	<i>21755</i>	<i>2780819557</i>	<i>1980519808</i>	<i>1980819805</i>
Driver Names	<i>Cochran</i>	<i>Swafford</i>	<i>Munoz</i>	<i>J. Martinez</i>

Pete Customer Representative
 J. Bennett Station Manager
 M. Cochran Cementer



JOB LOG CONT

TICKET #

171701762

TICKET DATE

5-31-11

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press. (PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	11:49							Shut down + Drop Closing Plug
	11:52							Wash Pump & Lines
	11:56	6	0		200			Start Disp. w/ Frick #20
	12:03	3	40		600			Slow Rate
	12:05	3	47		7500			Bump Plug + Close tool
	12:06				0			Release
								Tool Held
								End Job
								1st Stage
					850			Pressure before Plug landed
								2nd Stage
					650			Pressure before Plug landed
								Circulated Cmt to the Pit
								1st Stage Cmt
								185 sk AA2 5% W-60
								10% salt .6% C-15
								1/4# Defamer 5# bitsonite
								1.54 # 1/2 sk 6.6 gal / 1/2 sk
								Mixed @ 14.8 # / gal
								2nd Stage Cmt
								2.15 sk Acon 3% CC
								1/4# Polyflake 2% WCA-1
								2.95 # 1/2 sk 18.1 gal / 1/2 sk
								Mixed @ 11.4 # / gal
								5.5 sk Premium Plus
								2% CC 1/4# Polyflake
								1.34 # 1/2 sk 6.53 gal / 1/2 sk
								Mixed @ 11.8 # / gal



Customer <i>Petrosantander</i>	Lease No.	Date <i>5/26/11</i>
Lease <i>Miller</i>	Well # <i>4</i>	Service Receipt
Casing <i>4 5/8"</i>	Depth <i>532'</i>	County <i>Finney</i> State <i>KS</i>
Job Type <i>Surface</i>	Formation	Legal Description

Pipe Data		Perforating Data		Cement Data
Casing size <i>4 5/8"</i>	Tubing Size	Shots/Ft		Lead <i>370 gk from 14.8' @ 14.8' 1,540 ft 6.33 gal/sk 2% CaCl₂ 14' P2016</i>
Depth <i>524.94</i>	Depth	From	To	
Volume <i>30.7</i>	Volume	From	To	
Max Press <i>1000#</i>	Max Press	From	To	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	Tail in

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00					on loc, spot trucks, Rig up, safety
14:45					Break Circ.
15:16	1500#				Psitest
15:16	100#		0	4	5t mix Prem. Plus @ 14.8'
15:41	0#		79	-	Finish Mixing
15:46	0		0	4	start disp, wash up on plug
15:55	200		20	2	slow Rate
16:00	200-400		31	-	Plug down
16:01	400-0				Release Psi Float Held
					Job Complete
					Thank You
					Chad & Crew

Service Units	<i>19468</i>	<i>30463</i>	<i>19813</i>	<i>19805</i>	<i>19808</i>
Driver Names	<i>Chinz</i>	<i>R. Olden</i>		<i>H. Esquerda</i>	

Pete _____ Customer Representative
Jerry Bennett _____ Station Manager
Chad Chinz _____ Cementer