



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: _____



1062934

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	PetroSantander (USA) Inc.
Well Name	SMU 3316A
Doc ID	1062934

All Electric Logs Run

Microresistivity Log
Dual Induction Log
Computer Processed Interpretation
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	PetroSantander (USA) Inc.
Well Name	SMU 3316A
Doc ID	1062934

Tops

Name	Top	Datum
Heebner	4374	-1625
Lansing	4502	-1753
Swope	4954	-2205
Pawnee	5243	-2494
Fort Scott	5284	-2535
Cherokee	5300	-2551
Atoka	5422	-2673
Morrow Shale	5580	-2831
Chester	5644	-2895
Mississippian	5679	-2930



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>Pete</i>	Lease No.	Date <i>3-22-11</i>
Lease <i>51410</i>	Well # <i>3316A</i>	Service Receipt <i>1111-0184</i>
Casing <i>5 7/8 15.5</i>	Depth <i>5790</i>	County <i>McPherson</i>
Job Type <i>249 34 15</i>	Formation	Legal Description <i>33 32 30</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 7/8 15.5</i>	Tubing Size	Shots/Ft		Lead
Depth <i>5790</i>	Depth <i>100</i>	From	To	
Volume	Volume	From	To	
Max Press	Max Press	From	To	Tail in <i>112 2905</i>
Well Connection <i>8 in</i>	Annulus Vol.	From	To	
Plug Depth <i>5769</i>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
09:15					on loc. of F&E
10:15					Loc. on loc. Start Casing
11:30					Trucks on loc. 11/11 Safety Meeting
12:00					Con on bottom. Con. 11/11
11:01	2500				Test Pump & Lines
11:03	400		5	5	Start Fresh H ₂ O
11:04	400		12	5	Start Super Plug
11:07	400		5	5	Start Fresh H ₂ O
11:08	500		77.5	5	Start. Cont. 2905k @ 145'
11:25					Shutdown + Wash Pump Lines
11:26					Drop Plug
11:30	100		0	6	Start Disp. w/ Fresh H ₂ O
11:42	1000		127	23	Slow Rate
11:58	1500		137	2.3	Drop Plug
11:59	0		137	0	Release / Start Well
12:00					End Job
	1300				Pressure before Plug landed
					SMO 3316A BASIC

Service Units <i>19814</i>	<i>27801550</i>	<i>11064 10579</i>		
Driver Names <i>Cochran</i>	<i>Mendez</i>	<i>Justin</i>		

Pete Customer Representative *J. Bennett* Station Manager *19 Cochran* Cementer



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Cement Report

Customer <i>Penn State</i>	Lease No.	Date <i>5-15-11</i>
Lease <i>5701A</i>	Well # <i>3316 A</i>	Service Receipt <i>1911901677</i>
Casing <i>8 5/8 14'</i>	Depth <i>1726</i>	County <i>McPherson</i>
State <i>KS</i>	Job Type <i>Z 42 8 5/8 surface</i>	Formation
Legal Description <i>33 32 70</i>		

Pipe Data		Perforating Data		Cement Data
Casing size <i>8 5/8 14'</i>	Tubing Size	Shots/Ft <i>Sur</i>		Lead <i>440 sk 11.4'</i>
Depth <i>1726</i>	Depth	From	To	<i>57.70 - 71.40 11.70'</i>
Volume	Volume	From	To	<i>127 wca 2.95 4.4'</i>
Max Press	Max Press	From	To	<i>156 sk 11.4'</i>
Well Connection	Annulus Vol.	From	To	Tail in <i>156 sk 11.4'</i>
Plug Depth <i>1683</i>	Packer Depth	From	To	<i>2700 - 2710 10'</i>
				<i>1.314 sk 1.23 3.11'</i>
				<i>@ 11.4' / 10'</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
08:30					on loc. / Hold Safety Meeting
09:30					Start Csg.
12:30					Csg on Bottom Csg. w/ Plug
13:24	2500				Test Pump & Lines
17:26	1100		231	5	Start Lead - Cont 440 sk @ 11.4'
17:02			76	4	Start Tail - Cont 156 sk @ 11.4'
17:10					Shutdown + Drop Plug
17:12	1100		±	5	Start Disp. w/ Fresh H ₂ O
17:32	550		87	2.5	Slow Rate
17:38	1100		107	2.5	Burn Plug
17:39	±		107	±	Release / Shift Hold
17:45					End Job
	600				Pressure before Plug burned Circulated cont to the bit

Service Units	<i>21755</i>	<i>24809195</i>	<i>15505-17800</i>
Driver Names	<i>Cochran</i>	<i>Murphy</i>	<i>J. Martinez</i>

Customer Representative
Station Manager
Cementer