



KANSAS CORPORATION COMMISSION 1062934
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 # 32198
Name: PetroSantander (USA) Inc.
Address 1: 6363 WOODWAY DR STE350
Address 2:
City: HOUSTON State: TX Zip: 77057 + 1798
Contact Person: Liliana Hernandez
Phone: (713) 784-8700
CONTRACTOR: License # 32198
Name: PetroSantander (USA) Inc.
Wellsite Geologist: Terry McCance
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 #:
05/15/2011 05/22/2011 05/23/2011
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-119-21292-00-00
Spot Description:
SW SE SE SE Sec. 33 Twp. 32 S. R. 30 East West
145 Feet from North / South Line of Section
335 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Meade
Lease Name: SMU Well #: 3316A
Field Name:
Producing Formation: Morrow
Elevation: Ground: 2737 Kelly Bushing: 2749
Total Depth: 5800 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1722 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 cm.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 2400 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated
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: Deanna Garcia Date: 09/12/2011



1062934

Operator Name: PetroSantander (USA) Inc. Lease Name: SMU Well #: 3316A
 Sec. 33 Twp. 32 S. R. 30 East West County: Meade

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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Datum Attached
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 (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run: Attached			

CASING RECORD <input checked="" 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
Surface	12.25	8.625	24	1722	A-CON/ PREMIUM PLUS	650	
Production	7.875	5.5	15.5	5765	AA2/ W60	290	

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	-			

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
4	5610 - 5640		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>5620</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>07/16/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbbs. <u>1</u>	Gas Mcf <u>593</u>	Water Bbbs. <u>3</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5610 - 5640</u>
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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

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

Customer	Petrosantander	Lease No.		Date	6-8-11
Lease	SMU	Well #	33-16A		
Field Order #	Station	Casing	Depth	County	State
	1717 Liberal			Meade	KS
Type Job	ZBZ Frac New Well	Formation	MORROW	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
	2 7/8			FRB			1164	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
	5555			Progel 2500	13.8	2265	0	
Volume	Volume	From	To	Pad	Min		10 Min.	
	31.2			142 bbls	12.4	0	0	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
	1000			1-2-3-4 lbs			0	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
							200	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
	5555			Progel 2500			354	

Customer Representative	Gordon	Station Manager	Jerry Bennett	Treater	R Cox
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Service Units									
Driver Names									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:45					ON LOCATION
10:00					Rig up IRON/gel tank
12:30					prime up trucks
12:37					open well head on vacuum
12:51		0	76	15	Hole Loads on Pad
12:55		563	142	13.8	start 1 st sand
12:57		618	24	12.9	start 2 nd sand
1:00		1221	48	12.6	start 3 rd sand
1:05		1628	48	12.4	start 4 th sand
1:07		1847	84	12.6	start flush
1:08		1956	10	12.9	sand clear
1:11		2265	34	13.1	shutdown ISIP 1164
1:16		0	0	0	5 min on vacuum

Thanks



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: <i>Padon</i>	Lease No: <i>5711 A</i>	Date: <i>7/11/15</i>
Lease: <i>5711 A</i>	Well #: <i>5711 A</i>	Service Receipt: <i>7/11/15 4</i>
Casing: <i>5 7/8 15.5</i>	Depth: <i>3790</i>	County: <i>Wichita</i> State: <i>Ks</i>
Job Type: <i>7 1/2 5 1/2 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>3790</i>	Depth: <i>110</i>	From:	To:	
Volume:	Volume:	From:	To:	
Max Press:	Max Press:	From:	To:	Tail in: <i>MB 2905</i>
Well Connection: <i>RFD</i>	Annulus Vol.:	From:	To:	<i>Deliver 170</i>
Plug Depth: <i>5769</i>	Packer Depth:	From:	To:	<i>Subsided 1.5" at 5769</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
09:15					On loc. w/ F&E
10:15					Excavator on loc. Start Casing
11:30					Trucks on loc. Mr. H. Johnson Mining
12:00					Casing on bottom OK set
17:01	2500				Test Pump & liner
17:03	400		5	5	Start Fresh H ₂ O
17:06	400		12	5	Start Super Flush
17:07	400		5	5	Start Fresh H ₂ O
17:08	500		97.5	5	Start Cmt 2905 @ 14.5"
17:25					Shutdown + Wash Pump & liner
17:26					Drop Plug
17:30	100		0	6	Start Disp. w/ Fresh H ₂ O
17:42	1000		127	20	Slow Rate
17:58	1000		137	23	Bottom Plug
17:59	0		137	0	Release / Shut Well
18:00					End Job
	1300				Pressure before Plug landed
					SMU 32161 BAS 10

Service Units: <i>198 H₂O</i>	<i>198 H₂O</i>	<i>198 H₂O</i>		
Driver Names: <i>Cochran</i>	<i>Mendoza</i>	<i>Wright</i>		

Pete Customer Representative *J. Bennett* Station Manager *17 Cochran* Cementer



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer	P... ..		Lease No	...		Date	5-13-11		
Lease	3748		Well #	3748 A		Service Receipt	1717-012-11		
Casing	8 7/8 14'	Depth	1226		County	114-822		State	KS
Job Type	2 42 8 7/8 surface		Formation			Legal Description	33 32 30		
Pipe Data			Perforating Data				Cement Data		
Casing size	8 7/8 14'		Tubing Size			Shots/Ft	Sur		
Depth	1226		Depth	From	To	Lead	440' of 11 1/2" 15.6 lbs/ft		
Volume			Volume	From	To		12' UCA @ 2.75 lbs/ft		
Max Press			Max Press	From	To	Tail in	15' UCA @ 11.4 lbs/ft		
Well-Connection			Annulus Vol.	From	To		12' UCA @ 2.75 lbs/ft		
Plug Depth	1183		Packer Depth	From	To		1315' of 1.33 lbs/ft @ 11.8 lbs/ft		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log				
08:30					on loc. / Hold Safety Meeting				
09:30					Start Casing				
10:30					Casing on Bottoms Conn. w/ Rig				
13:24	2500				Test Pump + Circ				
13:26	1100		3.8	5	Start + Hold. Pump 440' of 11 1/2"				
14:02			16	4	Start Tail. Pump 120' of 11 1/2"				
14:10					Shut down + Drop Plug				
14:18	760		0	5	Start Disp. w/ fresh H ₂ O				
14:32	550		2.9	2.5	Slow Rate				
14:38	1100		11.7	2.5	Bore Plug				
14:39	0		10.1	0	Release / Hold				
14:45					End Job				
					600 Pressure before Plug landed				
					Circulated out to the pit				
Service Units	41755	118091755	118091755	19905-19908					
Driver Names	Cochran	Maidiaz	Butler	J. Martinez					

Greider
Customer Representative

J. Bennett
Station Manager

111. Prof...
Cementer