



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1302081
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: _____

1302081

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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PETROSANTANDER (USA) INC.

WELL NAME:	HAAG ESTATE 4	AFE#:	
REPORTED BY:	CARLOS A LOPEZ	OPERATIONS DATE:	OCTOBER 16,17,18,19 2012
OBJECTIVE:	INSTALL CL	REPORT DAY:	1,2,3,4
RTD:	5028'	CSG. SIZE:	5 1/2"
PBTD:	4978'	TBG. SIZE	2 7/8"
PERFS:	4774' - 4795'	FORMATION:	MORROW

24 HOUR SUMMARY:

10/16/12 MIRU RIG 1 REMOVED DRIVE HEAD
 TOH WITH RODS AND ROTOR LAID RODS DOWN ON A TRAILER RELEASED TRQ. TOOL
 TOH WITH TBG LAID TBG DOWN RIGGED UP SAND PUMP
 TIH WITH SAND PUMP TAG @ 4910' MADE 4 RUNS DIDN'T MAKE H HOLE
 SDON

10/17/2012 TIH WITH SAND PUMP TAG @ 4910' MADE 3 RUNS DIDN'T MAKE HOLE
 MOVED WORKING STRING 160 JTS 2 3/8"
 TIH WITH SAM'S BAILER AND TBG TAG @ 4910' CLEANED FOR 1 HR. TO 4930'
 TOH WITH 20 JTS SHUT DOWN DUE TO WIND

10/18/2012 TOH WITH REST OF TBG AND BAILER FOUND 4' MA ATTACHED ON BOTTOM OF BAILER
 TIH WITH SAND PUMP TAG AT @ 4930' LAID SAND PUMP DOWN
 TIH WITH 16 JTS 4 1/2" 12.6 # CL TIH WITH 21 JTS 2 3/8 TBG AND SCREWED INTO CL
 TIH WITH TBG AND LANDED CL ON BOTTOM @ 4930' MIRU CONSOLIDATED AND BRADY
 ESTABLISHED RATE AND PUMPED 75 SKS CLASS A CEMENT AND DISPLACED WITH 19 BBL WATER
 PRESSURED TO 1500 # AND HELD, TOH WITH 22 JTS TO 4237' REVERSED OUT WITH 40 BBL
 TOH WITH STINGER TIH WITH 5 1/2" TXT SET PKR @ 4155' PRESSURE CASING TO 500# HELD
 PRESSURED TBG TO 1500 # HELD RELEASED PKR PULLED 40 JTS LEFT PKR HANGING
 PRESSURED TO 500 # HELD PACKED OFF WELL AND SDON
 RDMO CONSOLIDATED AND BRADY'S

10/19/2012 FOUND 500 # RELEASED PRESSURED
 TOH WITH TBG AND PKR
 TIH WITH 4 7/8" BIT, SUB, XO AND TBG TAG @ 4160'
 TOH WITH 10 JTS PACKED OFF WELL
 SDON

VENDOR	SERVICE	COST	
PSI RIG 1	SERVICE UNIT	\$ 16,800.00	
SAM'S	BAILER / PKR / MAN	\$ 7,000.00	
SUNRISE	4 1/2" CL	\$ 11,000.00	
CONSOLIDATED	SQUEEZE	\$ 5,500.00	
BRADY	WATER TRUCKS	\$ 2,000.00	
PSI	ROUSTABOUTS	\$ 3,000.00	
PSI	WATER TRUCK	\$ 500.00	
WEATHERFORD	4 1/2" TOOLS	\$ 500.00	
			DAILY COST:
			\$ 46,300.00
			PREVIOUS COST:
			COST TO DATE:
			\$ 46,300.00

PETROSANTANDER (USA) INC.

WELL NAME:	HAAG ESTATE 4	AFE#:	
REPORTED BY:	CARLOS A LOPEZ	OPERATIONS DATE:	NOVEMBER 26,27,28 2012
OBJECTIVE:	CHROME LINER	REPORT DAY:	1,2,3
RTD:	5028'	CSG. SIZE:	5 1/2" TOP OF CHROME LINER @ 4250'
PBTD: 4978'	4 1/2" SET @ 4899'	TBG. SIZE	2 3/8" TK - 70
PERFS:	4774' - 95'	FORMATION:	MORROW

24 HOUR SUMMARY:

11/26/12 TOH WITH TBG,XO AND 3 3/4" BIT MIRU PIONEER WIRE LINE
 PULLED GAMA RAY FROM 4899' TO 4165' TIED ON AND SHOT PERFS 4774' - 95' 4 SPF
 RDMO PIONEER WIRE LINE TIH WITH 4 1/2" X 2 3/8" AS II PKR LET PKR SWINGING @ 4780'
 MIRU HEAT WAVES SPOT 19 BBL 15% ACID HCL MOVED AND SET PKR @ 4747' PUMPED REST OF JOB
 11 BBL ACID 15% HCL AND 50 BBL 2% KCL FLUSH BROKE FORMATION AVG 3.75 BPM @ 1500 PSI
 ISIP 700 # 5 MIN 500 # 10 MIN 420 15 MIN 340 # TOTAL LOAD 80 BBL
 RDMO HEAT WAVES RELEASED PKR TOH WITH 50 JTS SINGLING OUT
 CLOSE BOP SDON

11/27/2012 FINISHED SINGLING OUT TBG AND PKR MOVED OFF 2 3/8" WORK STRING
 MOVED 160 JTS 2 3/8" TK 70 SDON

11/28/2012 TIH WITH PKR,ON-OFF TOOL AND TBG AS FOLLOWS :
 4 1/2" X 2 3/8" AS 1 NC,PL PKR WITH 2' TAIL PIPE AND ON-OFF TOOL 8.35'
 144 JTS 2 3/8" OD EUE 8RD TK 70 4683.78'
 TOTAL LENGTH @ KB = 4692.13'
 TBG SET 3' BELOW KB = 4695.13

MIRU HEAT WAVES WITH 130 BBL OF PKR FLUID WITH DEFOAMER REMOVED BOP
 CIRCULATED HOLE WITH 110 BBL PKR FLUID SET PKR @ 4684' ON COMPRESSION 12000 # ON PKR
 PRESSURED TO # 500 HELD BLED PRESSURE DOWN TO 300 # RDMO HEAT WAVES
 RDMO PSI RIG 2

VENDOR	SERVICE	COST	
PSI RIG 2	SERVICE UNIT	\$ 12,600.00	
HEAT WAVES	ACID/PUMP TRUCK	\$ 7,000.00	
SAM'S PKR	INJECTION PKR	\$ 11,000.00	
SUNRISE	TK 70 TBG	\$ 35,000.00	
SUNRISE	MISC.FITTINGS	\$ 1,000.00	
PIONNER	GAMA RAY/PERFS	\$ 6,000.00	
WEATHERFORD	BOP RENTAL	\$ 2,000.00	
			DAILY COST:
			\$ 74,600.00
			PREVIOUS COST:
			COST TO DATE:
			\$ 74,600.00