



KANSAS CORPORATION COMMISSION 1100325
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 # 34734
Name: Petro River Operating, LLC
Address 1: 4925 GREENVILLE, STE 900
Address 2: _____
City: DALLAS State: TX Zip: 75206 + _____
Contact Person: Ruben Alba
Phone: (303) 416-0012
CONTRACTOR: License # 99975
Name: COMPANY SERVICING TOOLS
Wellsite Geologist: N/A
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: Petro River Operating, LLC
Well Name: Scully 1-9
Original Comp. Date: 12/10/2008 Original Total Depth: 3049
 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 #: _____
08/10/2012 _____ 08/10/2012
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-115-21400-00-01
Spot Description: _____
SW NE SE Sec. 9 Twp. 19 S. R. 3 East West
1650 Feet from North / South Line of Section
990 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Marion
Lease Name: SCULLY Well #: 1-9
Field Name: Lost Springs
Producing Formation: Mississippian Chat
Elevation: Ground: 1368 Kelly Bushing: 1374
Total Depth: 3080 Plug Back Total Depth: 3049
Amount of Surface Pipe Set and Cemented at: 210 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: Deanna Garrison Date: 11/09/2012



1100325

Operator Name: Petro River Operating, LLC Lease Name: SCULLY Well #: 1-9
 Sec. 9 Twp. 19 S. R. 3 East West County: Marion

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 checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Lansing-Kansas City</td> <td>1854</td> <td>-485</td> </tr> <tr> <td>Base of Kansas City</td> <td>2249</td> <td>-880</td> </tr> <tr> <td>Mississippian Chat</td> <td>2418</td> <td>-1049</td> </tr> <tr> <td>Mississippian Lime</td> <td>2485</td> <td>-1116</td> </tr> <tr> <td>Kinderhook Shale</td> <td>2532</td> <td>-1163</td> </tr> <tr> <td>Viola Lime</td> <td>2796</td> <td>-1400</td> </tr> <tr> <td>Arbuckle Dolomite</td> <td>2938</td> <td>-1569</td> </tr> </tbody> </table>	Name	Top	Datum	Lansing-Kansas City	1854	-485	Base of Kansas City	2249	-880	Mississippian Chat	2418	-1049	Mississippian Lime	2485	-1116	Kinderhook Shale	2532	-1163	Viola Lime	2796	-1400	Arbuckle Dolomite	2938	-1569
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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	-			
	-			

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
2	2422-2426	95 bbl NE-FE, 13,334 bbl Slickwater	2422
4	2454-2464		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>2500</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>10/18/2012</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 Bbls. <u>3</u>	Gas Mcf <u>6</u>	Water Bbls. <u>297</u>
		Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" 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: <u>Miss Chat</u>
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Petro River Operating, llc

**4925 Greenville
Suite 900
Dallas, Texas 75206**

Scully 1-9

**East Kansas
Marion, KS
United States of America
Massive Reactive Fracture**

**Mississippi Lime
Petro River Spec. - Reactive Water Frac**

**POST JOB REPORT
August 10, 2012**

Prepared for: Ruben Alba - Co-CEO
Main - (303) 416-0012
Ruben.Alba@PetroRiverUSA.com

Submitted by: Lee Larson
Josh Rastatter / Yacob Zergaw - Engineers
(970) 590-1739, (720) 224-1523

Service Point: Williston
15046 49th St NW
Williston ND 58801
Phone: (701) 651-6646

POST JOB SUMMARY

Executive Summary

Petro River Operating, llc
 Petro River Spec. - Reactive Water Frac
 August 10, 2012

Scully Wells 1-9
 Mississippi Lime, East Kansas
 Marion County, KS

Callout Pump time:
Actual Start Pump time: 10:00 AM
Max Well Pressure: 3400 psi
Base Fluid: Fresh Water
Base Fluid Density: 8.33 lb/gal
Perf Mid Point (TVD) 2438 ft
Vol to load: 41 Bbl

On time Start.
 Yes

Well Pres. @ Start: 60 psi

	Intial	Mid	Mid	Final
ISIP (psi)	599	707	792	687
FG	0.68	0.72	0.76	0.71
5 min (psi)		564		635
10 min (psi)		439		580
15 min (psi)		324		533
BHP (psi)	1658	1763	1848	1738
Total Fric (psi)	901	763	734	833

Friction Summary

Wellbore Fric.:	538	psi
Tortuosity:		psi
Perf Friction:	363	psi

40 Perfs Shot - 0.42 in. Dia, Est Cd = 0.85
 40 Eff. Perfs Open - 100% Eff. Perfs Open

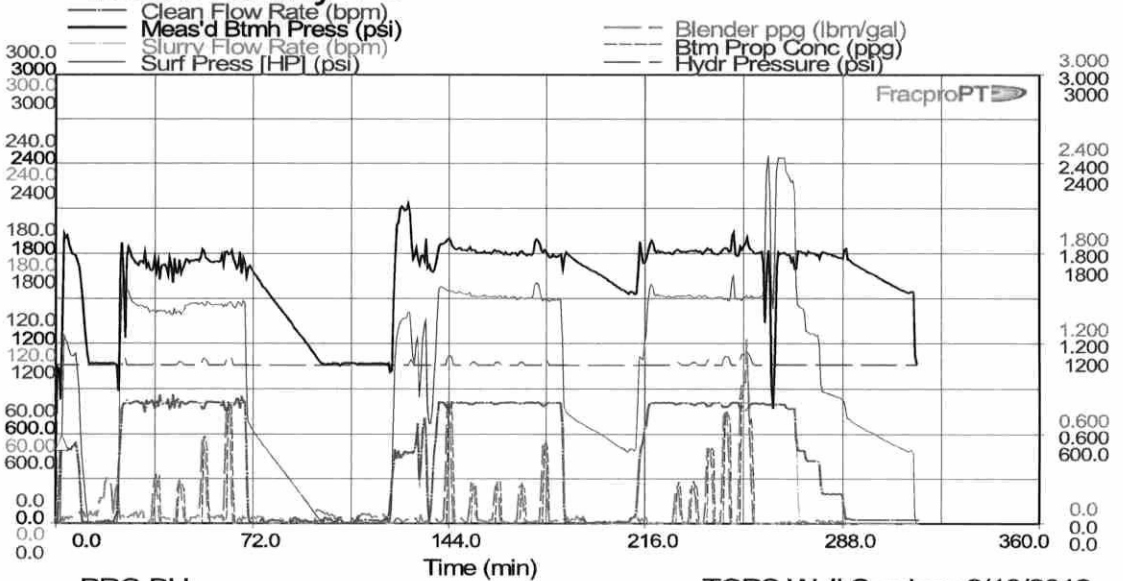
Treatment Summary

	Average	Maximum	
Pressure:	1500	2500	psi
Rate:	80	80	Bpm
Proppant Conc:	0.55	1	ppa
Viscosity:	1	1	cP 511/s

15% HCl Acid 4,000 Gal
 Treatment Fluid 560,000 Gal
Total (LTR): 564,000 Gal

Proppant Vol Pumped
 26,360 Lbs - 100 Mesh
 27,120 Lbs - 40/70 White
53,480 Lbs - Total

100812 Scully 1-9



PRC-BH

TOPS Well Services 8/10/2012

JOB SUMMARY

Petro River Operating, llc
 Petro River Spec. - Reactive Water Frac
 August 10, 2012

Scully 1-9
 Mississippi Lime - East Kansas
 Marion-Cowley, KS
 Massive Reactive Fracture

Wellbore Summary

Max Pressure: 3400 psi
 Treatment Via: Casing - Liner

Tubular Description	Top MD	Bot. MD	Burst	80% Burst	Cap. Gal/ft	Capacity Gal
Casing 5.5", J-55, 15.5#		2530	4810	3848	1	2530
Total Capacity:						2530

Perforation / Notch information

Perforated Interval Name	Top MD (ft)	Bot. MD (ft)	Top TVD (ft)	Bot TVD (ft)	spf	size (in)	Deg Phase	Charge Type
Mississippi Chat	2422	2438			2	0.42		
Mississippi Chat	2438	2454			4	0.42		

Original Treatment Design Summary

Percent Pad	80%
Acid/Chem. Vol	4000 Gal
Pad + SLF (Clean Fluid Vol.)	372500 Gal
Flush (Clean Fluid Vol.)	50000 Gal
Total Inj. (Clean Fluid Vol.)	426500 Gal

Mass Balance

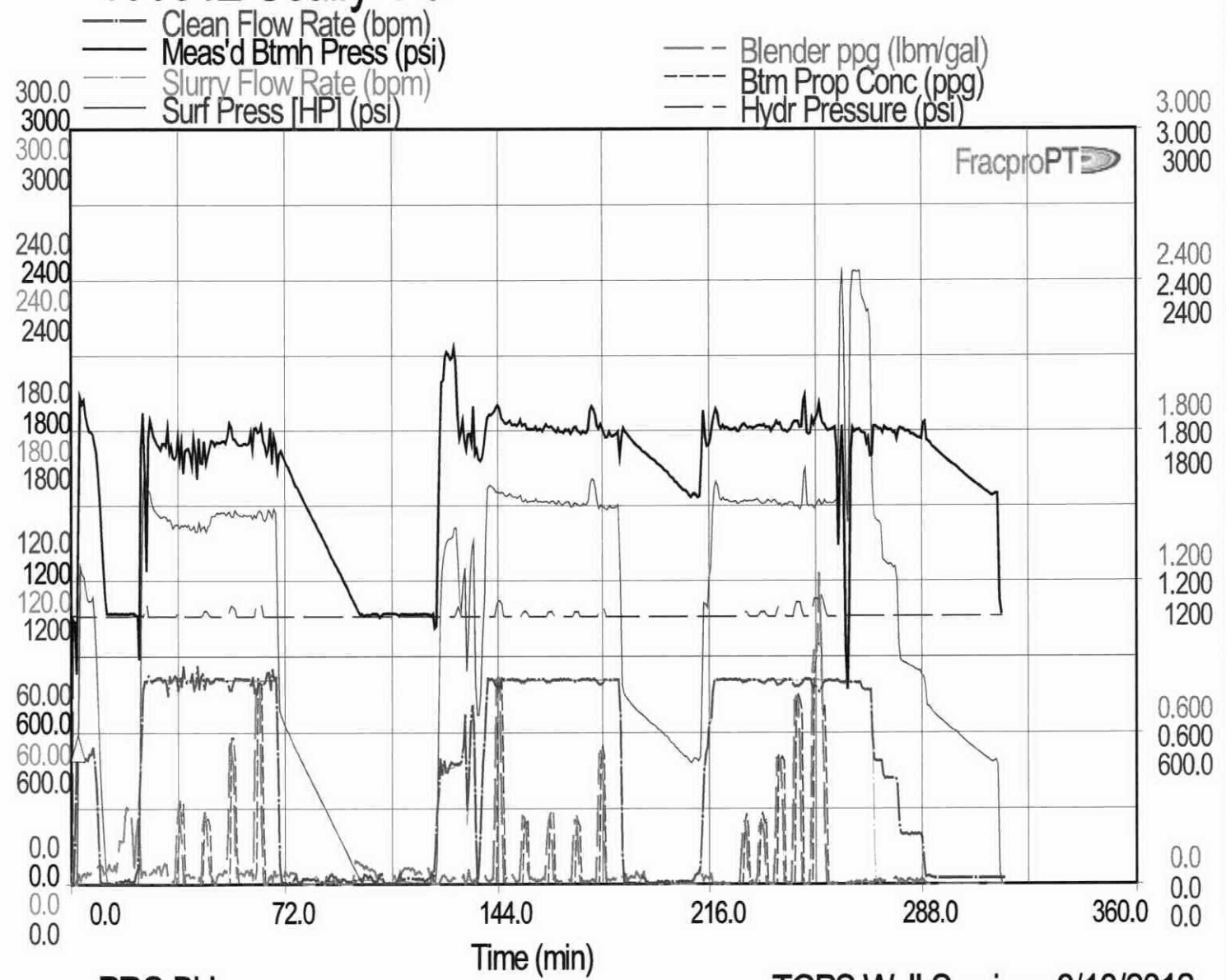
Material Name	Act. Amount on Loc.	Vol After Primeup	Vol Req. for Design	Vol Req. per actual Treatment	Job Used	% Variance per Design	% Variance per actual Treatment
Additives	units	units	units	units	units		
FR-C	1340		127		113		
HCl Acid (12.5%-18.0%)	4000	4000			4000		
Surf NE	1180		186		150		
BioClear 1000	28		5		28		
Proppant							
100 Mesh	26360				26360		
40/70 White	27120				27120		
Fluids							
Fresh Water	800000	800000	422500		560000		

Treatment Charts

Petro River Operating, llc
 Petro River Spec. - Reactive Water Frac
 August 10, 2012

Scully Wells 1-9
 Mississippi Lime, East Kansas
 Marion County, KS

100812 Scully 1-9



Thank you for using TOPS Well Services!

Created on: 8/12/2012 1:45 PM

