

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Grady Bolding Corporation
Well Name	SCHLOCTERMEIER 7
Doc ID	1427690

Tops

Name	Top	Datum
Anhydrite	608	+1208
B. Anhydrite	634	+1182
Heebner	2950	-1134
Toronto	2964	-1148
Brown Lime	3067	-1251
Lansing	3083	-1267
Base KC	3330	-1514
Conglomerate	3339	-1523
Arbuckle	3383	-1576



Musgrove

Petroleum Geology
212 Main Street, Claflin KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>Grady Bolding, Corp</u>	ELEVATIONS
LEASE <u>Schloctermeier #7</u>	KB <u>1816'</u>
FIELD <u>St. Peter</u>	DF _____
LOCATION <u>NW-NE-SW-SE (1260' FSL& 1700' FEL)</u>	GL <u>1808'</u>
SEC <u>5</u> TWSP <u>19S</u> RGE <u>11W</u>	Measurements Are All From <u>KB</u>
COUNTY <u>Barton</u> STATE <u>Kansas</u>	
CONTRACTOR <u>Southwind Drilling, Inc. (Rig # 3)</u>	CASING
SPUD <u>07/14/2018</u> COMP <u>07/19/2018</u>	SURFACE <u>8 5/8"@305'</u>
RTD <u>3460'</u> LTD <u>3461'</u>	PRODUCTION <u>5 1/2"@3452'</u>
MUD UP <u>2700'</u> TYPE MUD <u>Chemical</u>	ELECTRICAL SURVEYS
	ELI; CDL/CNL
	MEL / DIL

SAMPLES SAVED FROM 2700' TO RTD

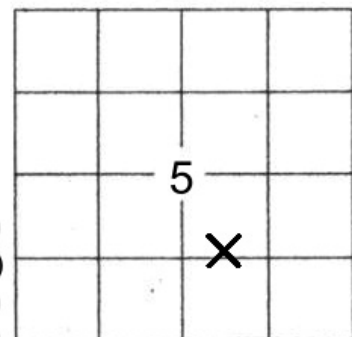
DRILLING TIME KEPT FROM 2700' TO RTD

SAMPLES EXAMINED FROM 2700' TO RTD

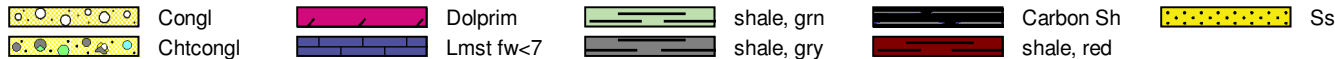
GEOLOGICAL SUPERVISION FROM 2850' TO RTD

GEOLOGIST ON WELL Wyatt Urban

FORMATION TOPS	LOG		SAMPLES	
Anhydrite	608	(+1208)	607	(+1206)
B. Anhydrite	634	(+1182)	632	(+1184)
Heebner	2950	(-1134)	2950	(-1134)
Toronto	2964	(-1148)	2966	(-1150)
Brown Lime	3067	(-1251)	3065	(-1249)
Lansing	3083	(-1267)	3085	(-1269)
Base KC	3330	(-1514)	3326	(-1510)
Congl.	3339	(-1523)	3343	(-1527)
Arbuckle	3383	(-1567)	3383	(-1567)
RTD	3460	(-1644)	3460	(-1644)
LTD	3461	(-1645)	3461	(-1645)



ROCK TYPES



OTHER SYMBOLS

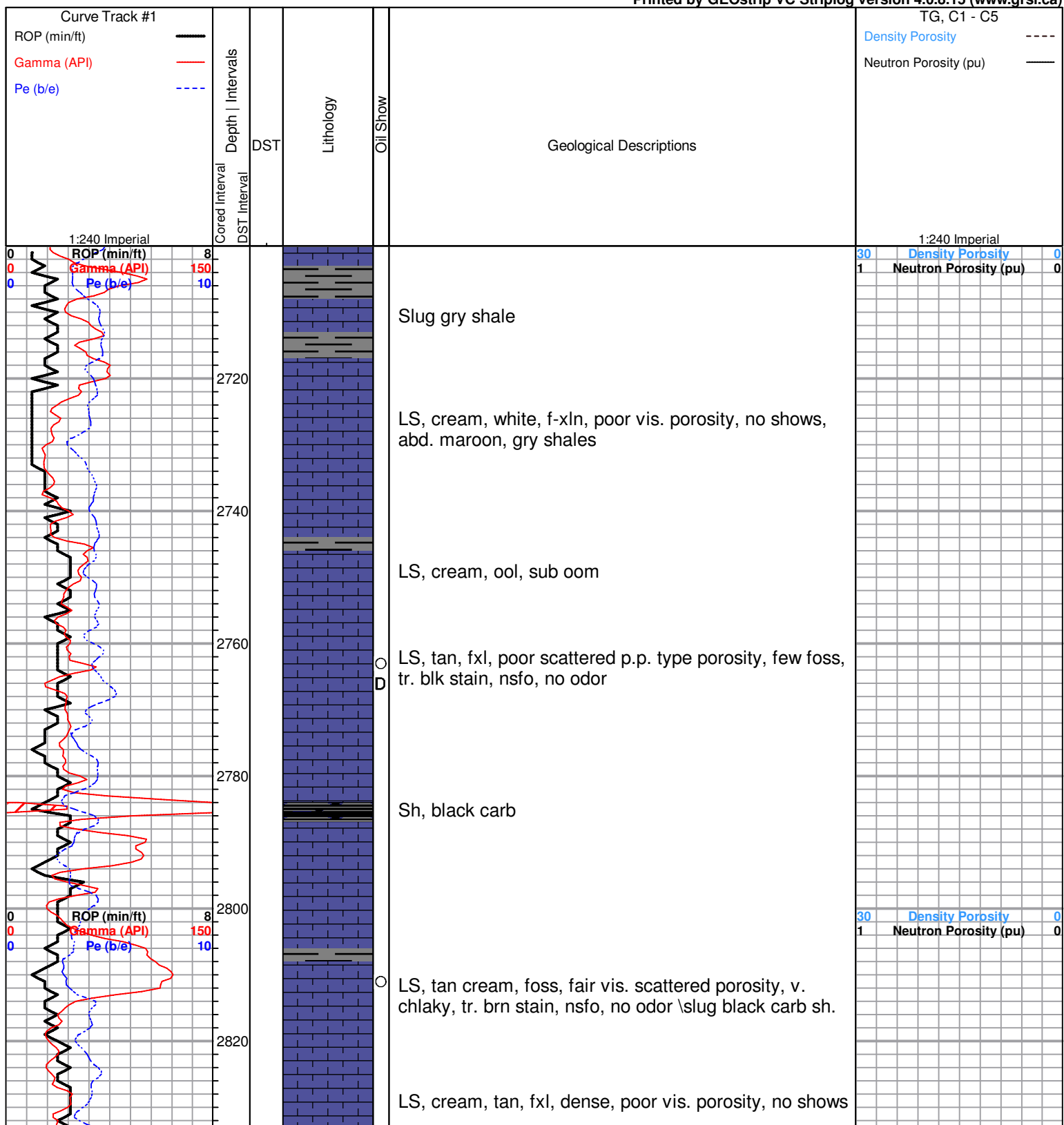
Oil Show

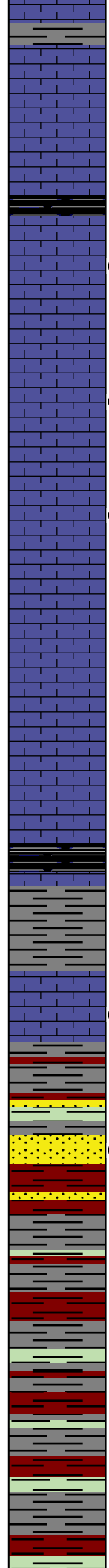
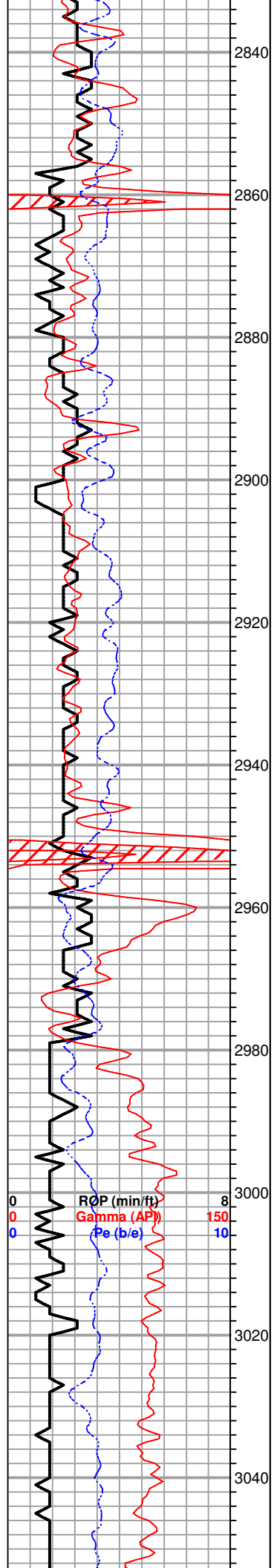
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas

DST

- DST Int
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





LS, cream, tan, fxl, poor vis. porosity, no shows

2840

Sh, black carb

2860

LS, cream, gry, f-med xln, scattered vis porosity, lt. golden brn stain, tr. sfo/sat. faint odor

2880

LS, tan / buff, dense --> cherty, poor scattered p.p. type porosity, tr. blk stain, tr. sfo, ft. odor

2900

LS, cream, white, foss, poor to fair vis. porosity, tr. dk brn / black stain, tr. spty sfo, no odor

2920

LS, cream, white, fxl, dense, poor vis. porosity, cherty, no shows

2940

LS, a/a, tr. tan, and brn cherts

HEEBNER 2950.0 (-1134.0)

Sh.black carb

2960

Sh, gry, dk gry, silty

TORONTO 2966.0 (-1150.0)

LS, tan, buff, dense, poor vis. porosity, tr. spty brn-gry stain, tr. spty sfo, no odor

2980

DOUGLAS 2978.0 (-1178.0)

Sh, gry, greenish, silty, few soft

3000

Tr. sd. gry, vfg, mica, tr. brn stain, nsfo, no odor

Sh gry, dk gry, few green, tr. sd. a/a

3020

Sh a/a

3040

Sh, gry, dk gry, few maroon, tr. gry mica. sand

DST#1 3070-3118

30-30-45-45

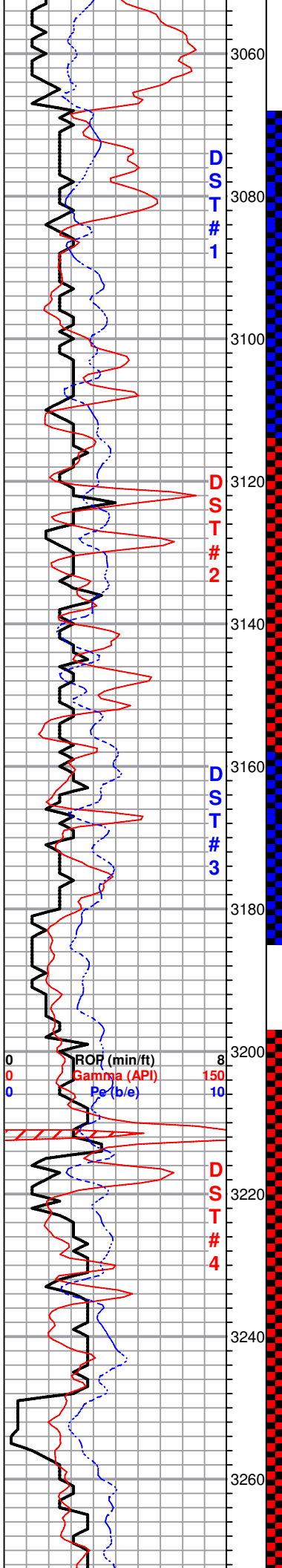
**1st Open:
BOB 6.5 mins.**

**2nd Open:
BOB inst.**

**Recovery:
1575' GIP**

36' Mud w/ tr. oil

**Pressures:
ISIP 335 psi
FSIP 368 psi
IEP 15.18 psi**



BROWN LIME 3065.0 (-1249.0)

LS, brn, dk brn fxl, cherty

LANSING 3085.0 (-1269.0)

LS, cream, white, foss, fr. oom / vuggy type porosity, lt. brn stain, golden brown sfo/sat, ft. odor

LS, cream, white, cherty, dense

LS, white, ool/oom, good oom, vuggy porosity, lt. goldn brn stain, sfo, good odor

LS, tan, fxl, dense, poor vis. porosity, no shows, abd. gry silty shales

LS, tan, cream, foss/frag. ool, poor vis. scattered p.p. type porosity, chalky, lt. golden brown sfo, strong odor

LS, tan, med-fn xln, fair scattered porosity, ool/foss frag., lt. golden brown stain, dk brn spty sfo, strong odor

Sh, black carb

LS, tan, buff, fxl, few foss, scatt. p.p. type porosity, tr. brn stain, tr. spty sfo, - fair odor

LS, tan, foss/ ool, good vuggy type porosity, chalky, nsfo, tr. brn/ blk stain, odor

LS, white, cream, foss, poor vis. porosity, nsfo, tr. black stain, no odor

Sh, black carb

LS, tan, tan, oom, porosity, sl. chalky, tr. brn- blk stain, nsfo, ??? odor

LS, tan, oom, fair vuggy porosity, chalky, tr. brn stain, tr. sfo

LS, tan, oom, good vuggy type oom porosity, brn staining, sfo, vis. gas bubbles, strong odor

LS, white, cream, fxl, dense, poor scattered vis. porosity, nsfo, no odor

IFP 15-18 psi
 FFP 335-27 psi
 HSH 1444 psi

DST#2 3116-3164
30-30-45-45

1st Open:
 BOB 4 mins.

2nd Open:
 BOB inst.

Recovery:
 2646' GIP
 40' SLOGGM
 (22%G, 8%O, 70%M)

63' SLWCMOCG
 (53' G, 25%O, 2%W, 20%M)

Pressures:
 ISIP 214 psi
 FSIP 328 psi
 IFP 9-36 psi
 FFP 23-56 psi
 HSH 1465-1457 psi

DST#3 3159-3185
60-30-30-30

***Tool stuck open on**

1st Open:
 GTS on 2nd open:

Recovery:
 3024' GIP

45' Mud tr. oil on tool

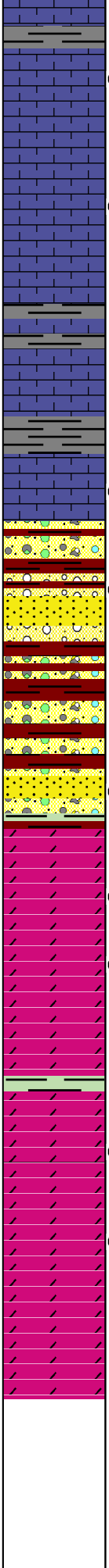
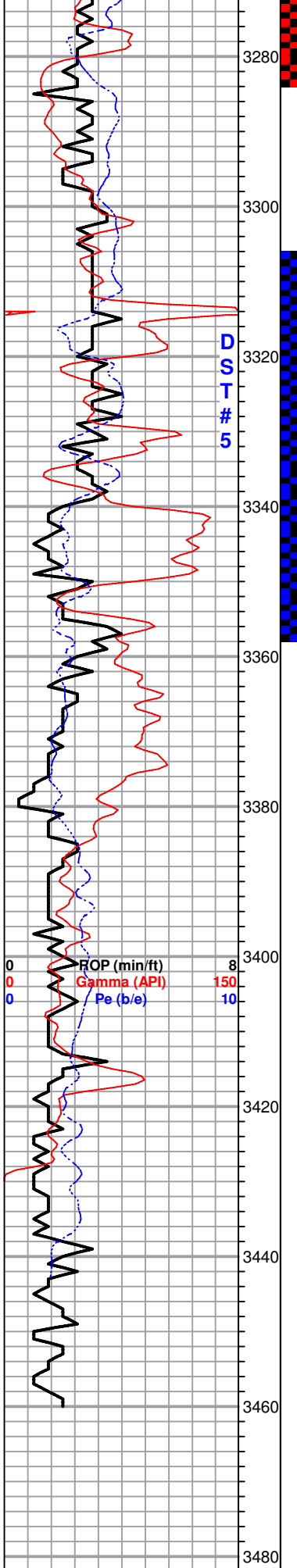
Pressures:
 ISIP 423 psi
 FSIP 421 psi
 IFP 14-21 psi
 FFP 19-34 psi
 HSH 1470-1461 psi

*Gas Gauged
 5" @ 2 psi; 1.231 MCF/D
 10" @ 6 psi; 2.218 "
 15" @ 7 psi; 2.419 "
 20" @ 9 psi; 2.793 "
 25" @ 12 psi; 3.200 "
 30" @ 13 psi; 3.456 "

DST#4 3196-3248
30-30-45-45

1st Open:
 BOB 9 mins.

2nd Open:



LS, white, cream, few foss, scattered vuggy / p.p. type porosity, tr. brn stain on few, tr. sfo, ft. odor

LS, white, cream, poor vis, porosity, tr. dk brn stain on few, nsfo, ??? odor

Sh, gry, silty

LS, white, fxl, poor vis. porosity, no shows

BKC 3326.0 (-1510.0)

Sh, gry, maroon, green, waxey

LS, white, cream, fxl, poor scattered porosity, tr. blk stain, nsfo, tr. orange, tan, cherts & V.C. Sh,

CONGLOMERATE 3343.0 (-1527.0)

Sd. tan, f-med grain, subrounded, well sorted, friable, lt. brn stn, sfo, good odor,

Sh, gry, maroon, green, few soft, abundant v.c. chert

Sh, a/a, tr. sd. gry, sub angular, poorly sorted, tr. brn/blk stain on few (sh staining??) nsfo, ???odor

ARBUCKLE 3383.0 (-1567.0)

Dol. tan, brn suc. pr-fair scattered vis. porosity, tr. brn stain, tr. sfo, odor

Doo. tan, buff, suc./ scattered vuggy porosity, tr. brn stain, tr. sfo, fair odor

tr. white, dol. suc. nsfo, odor

Tr. sh, green, aqua green, tr. white chert (ool)

Dol. white/ cream, fxl, scattered vuggy type porosity, tr. brn/ golden brn stain, tr. sppty dk brn sfo, odor

Dol. tan, buff, fxl, dense, scattered p.p. type porosity, tr. dk brn/blk stain on few (v. weak), strong odor, tr. pyrite abundant white/boney cherts

RTD 3460.0 (-1644.0)

LTD 3461.0 (-1645.0)

2nd Open.
BOB 45 sec.

Recovery:
945' GIP

45' SLOGGM
(8%G, 2%O, 90%M)

63' SLW&OCGM
(29%G, 15%O, 1%W, 55%M)

63' SLW&OCGM
(43%G, 15%O, 2%W, 40%M)

Pressures:
ISIP 302 psi
FSIP 417 psi
IFP 12-52 psi
FFP 59-88 psi
HSH 1438-1479 psi

DST#5 3312-3358
30-30-30-30

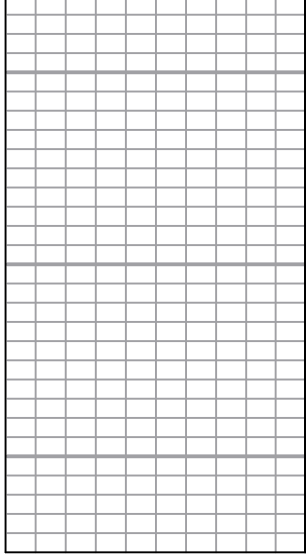
1st Open:
Weak Surface blow

2nd Open:
Weak Surface blow

Recovery:
1' Clean Oil

24' OCM
(10%O, 90%M)

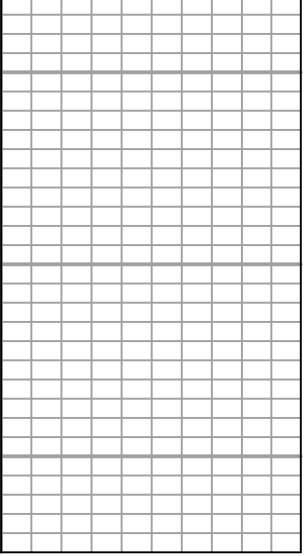
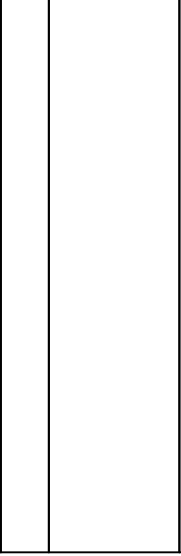
Pressures:
ISIP 732 psi
FSIP 475 psi
IFP 9-13 psi
FFP 15-16 psi
HSH 1559-1543 psi



3500

3520

3540



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 902

Date	7-12-18	Sec.	5	Twp.	19	Range	11	County	Barton	State	Ks	On Location		Finish	9:30 PM
------	---------	------	---	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Location St Peter + Paul Church - 15, 1/2 E, N 1/5

Lease	<u>Schloctermeier</u>	Well No.	<u>7</u>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<u>Southwind</u>	#	<u>3</u>	Charge To	<u>Grady Bolding Corp</u>
Type Job	<u>Surface</u>			Street	
Hole Size	<u>12 1/4"</u>	T.D.	<u>305'</u>	City	
Csg.	<u>8 5/8"</u>	Depth	<u>305'</u>	State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	<u>180 60/40 4% CC 2% Gel</u>
Cement Left in Csg.	<u>15'</u>	Shoe Joint	<u>15'</u>		
Meas Line		Displace	<u>18 1/2 BUS</u>		

EQUIPMENT

Pumptrk	<u>17</u> No.	Cementer	<u>David</u>	Common	<u>110</u>
		Helper		Poz. Mix	<u>70</u>
Bulktrk	<u>3</u> No.	Driver	<u>Jordan</u>	Gel.	<u>3</u>
		Driver		Calcium	<u>8</u>
Bulktrk p.u.	No.	Driver	<u>Rick</u>		

JOB SERVICES & REMARKS

Remarks:	<u>Cement did Circulate</u>	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	<u>191</u>
		Mileage	

FLOAT EQUIPMENT

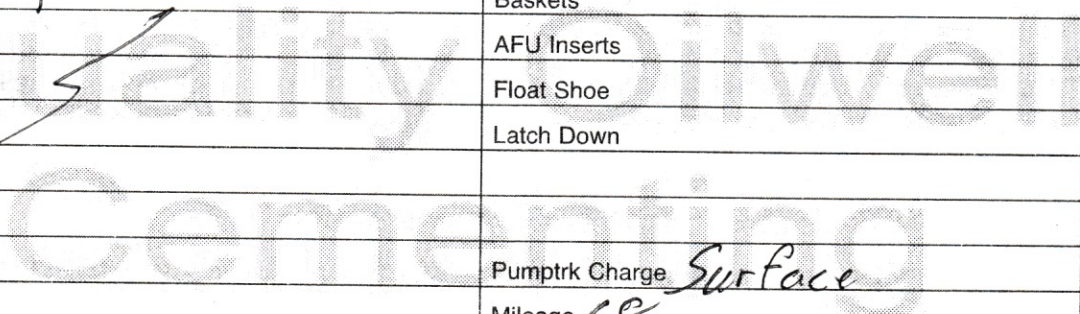
	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	

Pumptrk Charge Surface
Mileage 18

X Signature Jay Kruw

Tax
Discount
Total Charge

Thanks



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 871

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-19-18	5	19	11	Barton	KS		3:45 PM
Lease				Location		Well No.	
Schloctermeier				Peter Paul Church 15 3/4E Ninto		7	
Contractor				Owner			
Spartan #3				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Production String				Charge To			
Hole Size				To			
7 7/8				Candy Bolding			
Csg.				Street			
5 1/2 14#				Depth			
Tbg. Size				City			
				State			
Tool				Depth			
				The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.				Cement Amount Ordered			
42.41				180 10/salt 5/Gilsonite			
Shoe Joint				Meas Line			
42.41				Displace			
83 BC				500gal mud clear 10gal KCL			
EQUIPMENT				Common			
Pumptrk 17 No.				Cement			
Helper				Craig			
Bulktrk No.				Driver			
Driver				David			
Bulktrk 14 No.				Driver			
Driver				Jack			
JOB SERVICES & REMARKS				Hulls			
Remarks:				KCL 1 gal			
Rat Hole				Salt			
30SK				salt 15 gal			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				750#			
D/V or Port Collar				Mud CLR 48			
5 1/2 set p 3459. Ball AC @ 3416.50				500 gal			
Est. Circulation Pump 500gal mud clear				CFL-117 or CD110 CAF 38			
100% KCL. Plug Rathole 30SK.				Sand			
Cement 5 1/2 with 150SK.				Handling			
Displace with 2. KCL water				202			
L. Pressure 800# Plug added				Mileage			
@ 1300#				FLOAT EQUIPMENT			
				5 1/2			
				Guide Shoe			
				Centralizer			
				8 Turbels			
				Baskets			
				AFU Inserts			
				Float Shoe			
				1			
				Latch Down			
				1			
				Pumptrk Charge			
				18 Prod String			
				Mileage			
				18			
X Signature				Tax			
Joy Shred				Discount			
				Total Charge			



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
15
 2018

DST #1 Formation: Lans "A-C" Test Interval: 3070 - 3118' Total Depth: 3118'
 Time On: 21:25 07/15 Time Off: 04:13 07/16
 Time On Bottom: 23:45 07/15 Time Off Bottom: 02:15 07/15

Electronic Volume Estimate:
 1583'

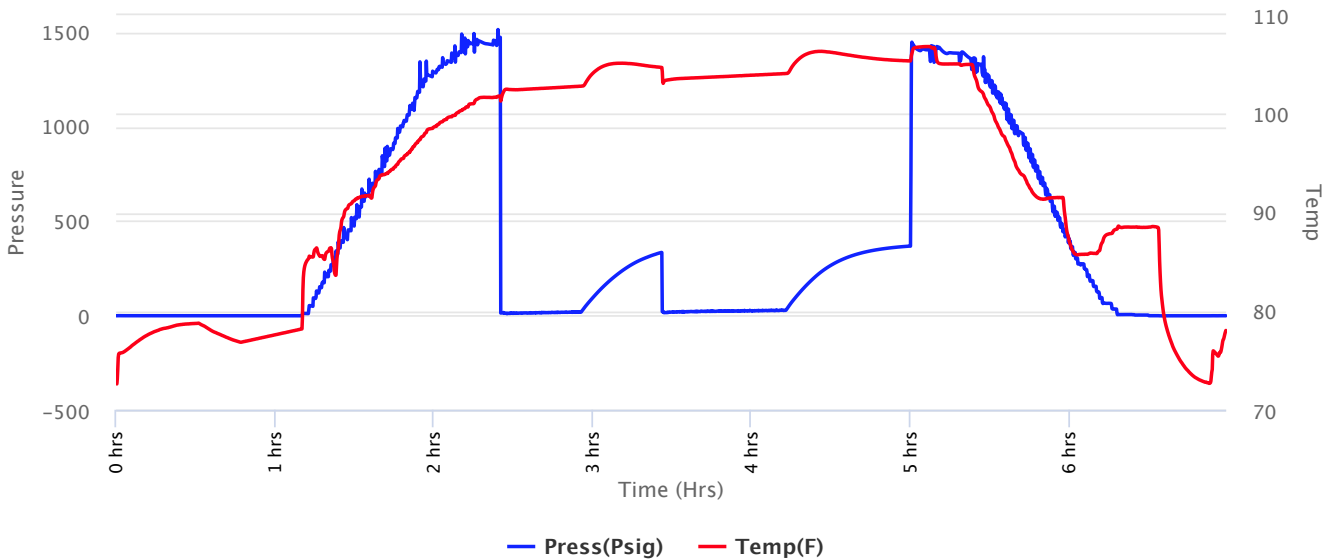
1st Open
 Minutes: 30
 Current Reading:
 55" at 30 min
 Max Reading: 55"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 165.7" at 45 min
 Max Reading: 165.7"

2nd Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

Inside Recorder





Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
15
 2018

DST #1 Formation: Lans "A-C" Test Interval: 3070 - 3118' Total Depth: 3118'
 Time On: 21:25 07/15 Time Off: 04:13 07/16
 Time On Bottom: 23:45 07/15 Time Off Bottom: 02:15 07/15

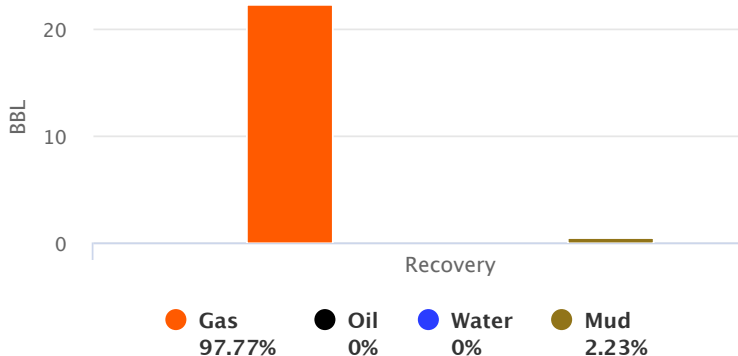
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1575	22.41225	G	100	0	0	0
36	0.51228	M	0	0	0	100

Total Recovered: 1611 ft
 Total Barrels Recovered: 22.92453

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1444	PSI
Initial Flow	15 to 18	PSI
Initial Closed in Pressure	335	PSI
Final Flow Pressure	335 to 27	PSI
Final Closed in Pressure	368	PSI
Final Hydrostatic Pressure	1423	PSI
Temperature	107	°F
Pressure Change Initial Close / Final Close	0.0	%



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
15
 2018

DST #1 Formation: Lans "A-C" Test Interval: 3070 - 3118' Total Depth: 3118'
 Time On: 21:25 07/15 Time Off: 04:13 07/16
 Time On Bottom: 23:45 07/15 Time Off Bottom: 02:15 07/15

Down Hole Makeup

Heads Up: 24.82 FT	Packer 1: 3065 FT
Drill Pipe: 3062.25 FT <i>ID-3 1/2</i>	Packer 2: 3070 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3054.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3108 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 48	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	

Drill Pipe: (in anchor): 31.5 FT
ID-3 1/2

Change Over: .5 FT

Perforations: (below): 11 FT
4 1/2-FH



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
15
 2018

DST #1 **Formation: Lans "A-C"** **Test Interval: 3070 - 3118'** **Total Depth: 3118'**

Time On: 21:25 07/15 Time Off: 04:13 07/16
 Time On Bottom: 23:45 07/15 Time Off Bottom: 02:15 07/15

Mud Properties

Mud Type: Chemical **Weight:** 8.7 **Viscosity:** 57 **Filtrate:** 9.2 **Chlorides:** 5,100 ppm



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
16
 2018

DST #2 Formation: Lans "D-F" Test Interval: 3116 - 3164' Total Depth: 3164'
 Time On: 11:02 07/16 Time Off: 17:08 07/16
 Time On Bottom: 12:42 07/16 Time Off Bottom: 15:10 07/16

Electronic Volume Estimate:
 2342'

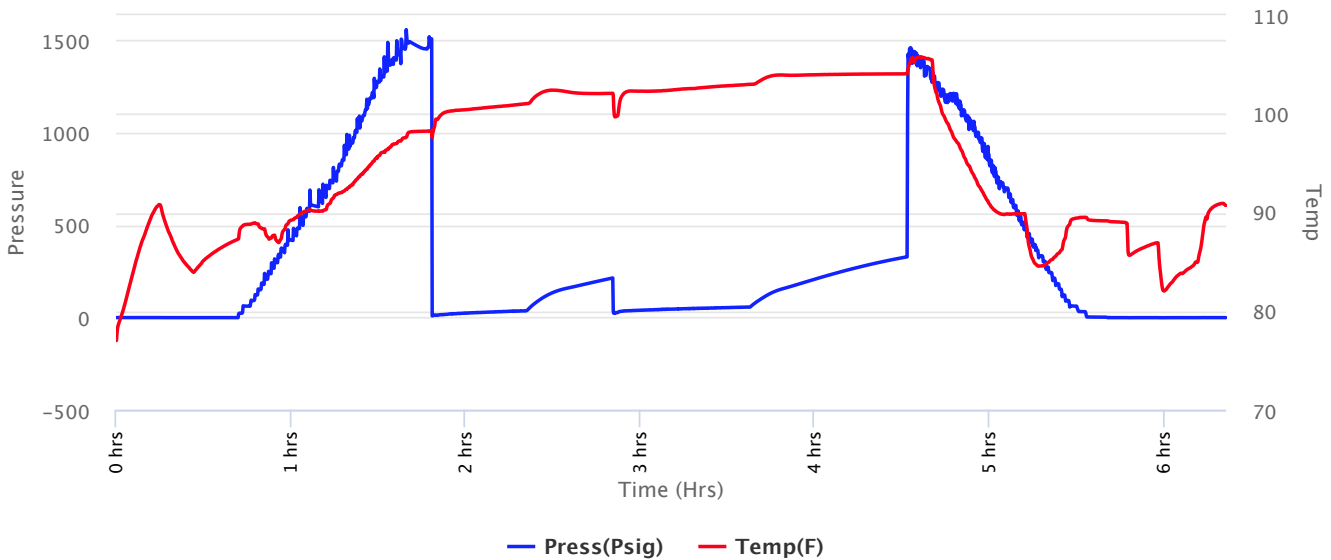
1st Open
 Minutes: 30
 Current Reading:
 127" at 30 min
 Max Reading: 127"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 237.6" at 45 min
 Max Reading: 237.6"

2nd Close
 Minutes: 45
 Current Reading:
 .1" at 45 min
 Max Reading: .1"

Inside Recorder





Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
16
 2018

DST #2 Formation: Lans "D-F" Test Interval: 3116 - 3164' Total Depth: 3164'
 Time On: 11:02 07/16 Time Off: 17:08 07/16
 Time On Bottom: 12:42 07/16 Time Off Bottom: 15:10 07/16

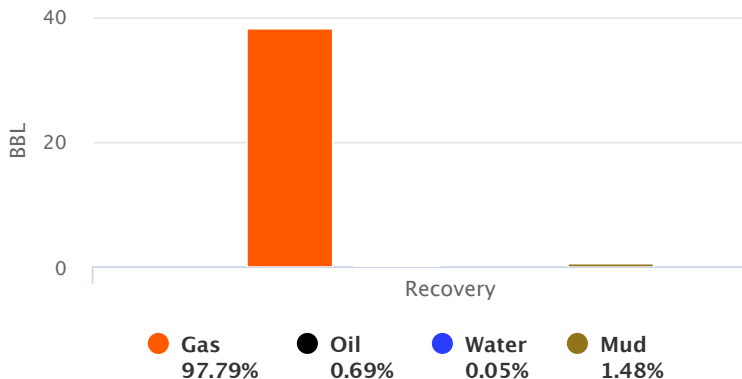
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2646	37.65258	G	100	0	0	0
40	0.5692	SLOGCM	22	8	0	70
63	0.89649	SLWCMCOG	53	25	2	20

Total Recovered: 2749 ft
 Total Barrels Recovered: 39.11827

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1465	PSI
Initial Flow	9 to 36	PSI
Initial Closed in Pressure	214	PSI
Final Flow Pressure	23 to 56	PSI
Final Closed in Pressure	328	PSI
Final Hydrostatic Pressure	1457	PSI
Temperature	105	°F
Pressure Change Initial Close / Final Close	0.0	%



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
16
 2018

DST #2 Formation: Lans "D-F" Test Interval: 3116 - 3164' Total Depth: 3164'
 Time On: 11:02 07/16 Time Off: 17:08 07/16
 Time On Bottom: 12:42 07/16 Time Off Bottom: 15:10 07/16

BUCKET MEASUREMENT:

REMARKS:

Initial Flow: Weak, surface blow increasing. BOB in 4 mins.
 Initial Shut-in: No blow back.
 Final Flow: BOB immediately.
 Final Shut-in: Weak, surface blow back. No build.

Tool Sample: 40% gas, 10% oil, 50% mud



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
16
 2018

DST #2 Formation: Lans "D-F" Test Interval: 3116 - 3164' Total Depth: 3164'
 Time On: 11:02 07/16 Time Off: 17:08 07/16
 Time On Bottom: 12:42 07/16 Time Off Bottom: 15:10 07/16

Down Hole Makeup

Heads Up: 33.67 FT	Packer 1: 3111 FT
Drill Pipe: 3124.51 FT <i>ID-3 1/2</i>	Packer 2: 3116 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3103 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3153 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 48	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 32 FT <i>ID-3 1/2</i>	

Change Over: .5 FT

Perforations: (below): 12 FT
4 1/2-FH



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 3
Elevation: 1811 EGL
Field Name: St Peter
Pool: Infield
Job Number: 191

Operation:
Well Complete

DATE
July
16
2018

DST #2 **Formation: Lans "D-F"** **Test Interval: 3116 - 3164'** **Total Depth: 3164'**
Time On: 11:02 07/16 Time Off: 17:08 07/16
Time On Bottom: 12:42 07/16 Time Off Bottom: 15:10 07/16

Mud Properties

Mud Type: Chemical **Weight:** 8.9 **Viscosity:** 56 **Filtrate:** 10.4 **Chlorides:** 8,200 ppm



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
17
 2018

DST #3 **Formation: Lans "F&G"** **Test Interval: 3159 - 3185'** **Total Depth: 3185'**
 Time On: 23:55 07/17 Time Off: 06:14 07/17
 Time On Bottom: 02:00 07/17 Time Off Bottom: 04:30 07/17

Electronic Volume Estimate:
 N/A

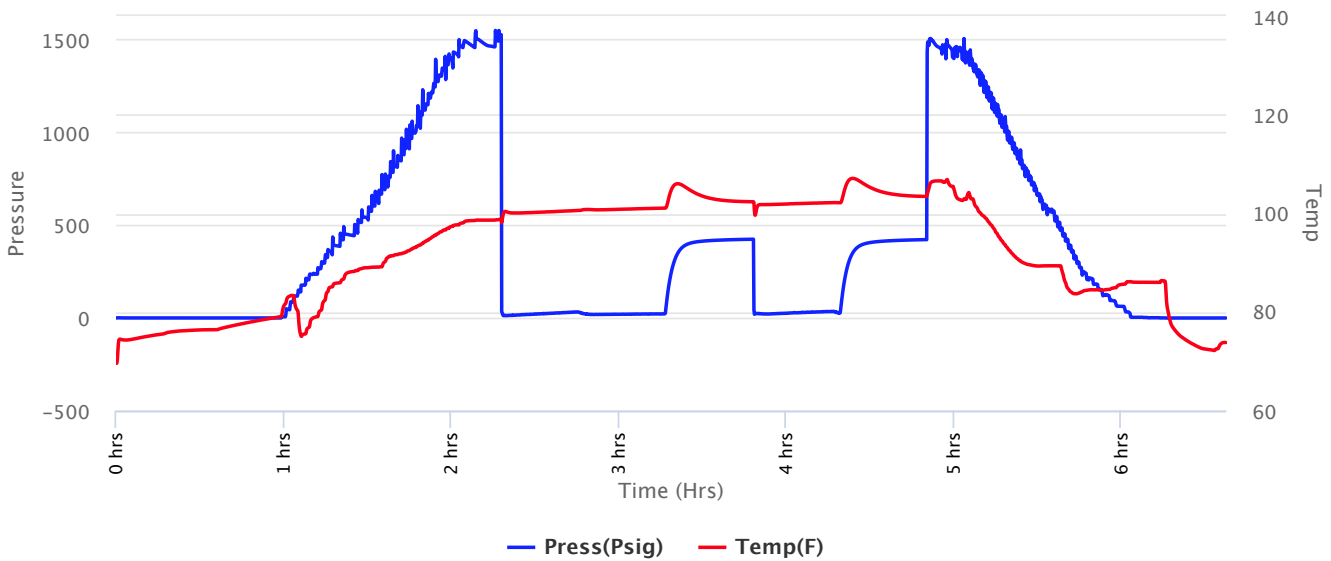
1st Open
 Minutes: 60
 Current Reading:
 GTS" at 60 min
 Max Reading: GTS"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading:
 Gauging Gas" at 30 min
 Max Reading: Gauging Gas"

2nd Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
17
 2018

DST #3 **Formation: Lans "F&G"** **Test Interval: 3159 - 3185'** **Total Depth: 3185'**
 Time On: 23:55 07/17 Time Off: 06:14 07/17
 Time On Bottom: 02:00 07/17 Time Off Bottom: 04:30 07/17

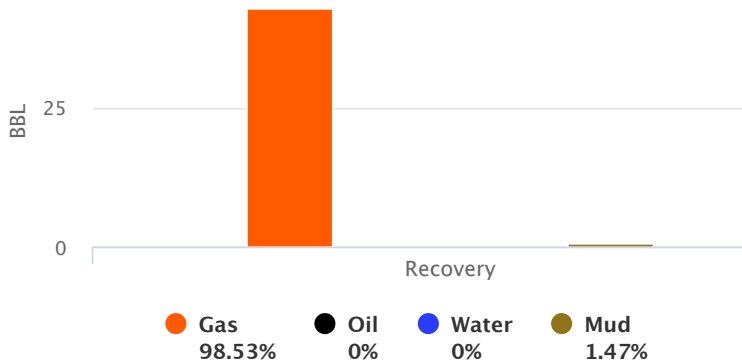
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3024	43.03152	G	100	0	0	0
45	0.64035	M	0	0	0	100

Total Recovered: 3069 ft
 Total Barrels Recovered: 43.67187

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1470	PSI
Initial Flow	14 to 21	PSI
Initial Closed in Pressure	423	PSI
Final Flow Pressure	19 to 34	PSI
Final Closed in Pressure	421	PSI
Final Hydrostatic Pressure	1461	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	0.6	%



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

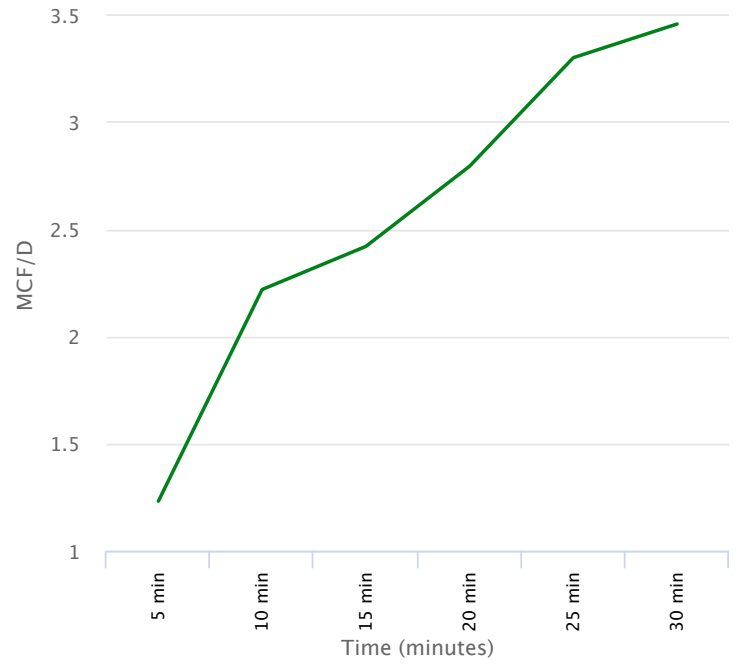
Operation:
 Well Complete

DATE
 July
17
 2018

DST #3 **Formation: Lans "F&G"** **Test Interval: 3159 - 3185'** **Total Depth: 3185'**
 Time On: 23:55 07/17 Time Off: 06:14 07/17
 Time On Bottom: 02:00 07/17 Time Off Bottom: 04:30 07/17

Down Hole Makeup

Heads Up: 23.53 FT	Packer 1: 3154 FT
Drill Pipe: 3157.37 FT <i>ID-3 1/2</i>	Packer 2: 3159 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3146 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3163 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 26	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	





Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
17
 2018

DST #4 **Formation: Lans "H-J"** **Test Interval: 3196 - 3284'** **Total Depth: 3284'**
 Time On: 19:20 07/17 Time Off: 23:45 07/17
 Time On Bottom: 19:20 07/18 Time Off Bottom: 21:50 07/17

Electronic Volume Estimate:
 983'

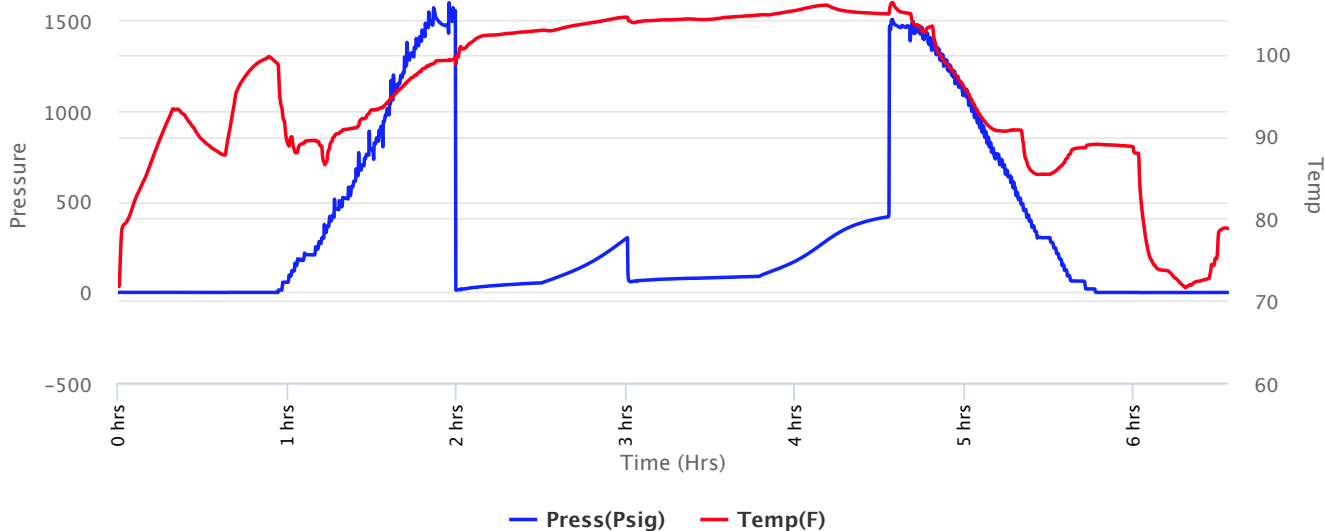
1st Open
 Minutes: 30
 Current Reading:
 38.8" at 30 min
 Max Reading: 38.8"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 87.4" at 45 min
 Max Reading: 87.4"

2nd Close
 Minutes: 45
 Current Reading:
 .1" at 45 min
 Max Reading: .1"

Inside Recorder





Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
17
 2018

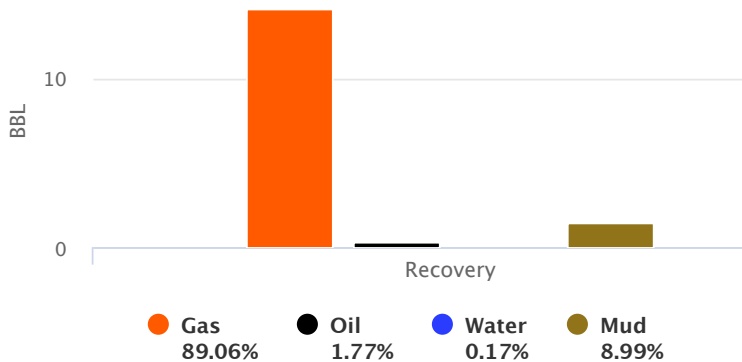
DST #4 Formation: Lans "H-J" Test Interval: 3196 - 3284' Total Depth: 3284'
 Time On: 19:20 07/17 Time Off: 23:45 07/17
 Time On Bottom: 19:20 07/18 Time Off Bottom: 21:50 07/17

Recovered						
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
945	13.44735	G	100	0	0	0
45	0.64035	SLOCSLGCM	8	2	0	90
63	0.89649	SLWCSLOC GCM	29	15	1	55
63	0.89649	SLWCSLOCHMCG	43	15	2	40

Total Recovered: 1116 ft
 Total Barrels Recovered: 15.88068

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1483	PSI
Initial Flow	12 to 52	PSI
Initial Closed in Pressure	302	PSI
Final Flow Pressure	59 to 88	PSI
Final Closed in Pressure	417	PSI
Final Hydrostatic Pressure	1479	PSI
Temperature	106	°F
Pressure Change Initial Close / Final Close	0.0	%



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
17
 2018

DST #4 Formation: Lans "H-J" Test Interval: 3196 - 3284' Total Depth: 3284'
 Time On: 19:20 07/17 Time Off: 23:45 07/17
 Time On Bottom: 19:20 07/18 Time Off Bottom: 21:50 07/17

Down Hole Makeup

Heads Up: 18.34 FT	Packer 1: 3191 FT
Drill Pipe: 3189.18 FT <i>ID-3 1/2</i>	Packer 2: 3196 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3183 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3265 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 88	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.5 FT <i>ID-3 1/2</i>	



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
18
 2018

DST #5 **Formation: Conglomerate Sand** **Test Interval: 3312 - 3358'** **Total Depth: 3358'**
 Time On: 09:14 07/18 Time Off: 14:42 07/18
 Time On Bottom: 11:10 07/18 Time Off Bottom: 13:10 07/18

Electronic Volume Estimate:
 21'

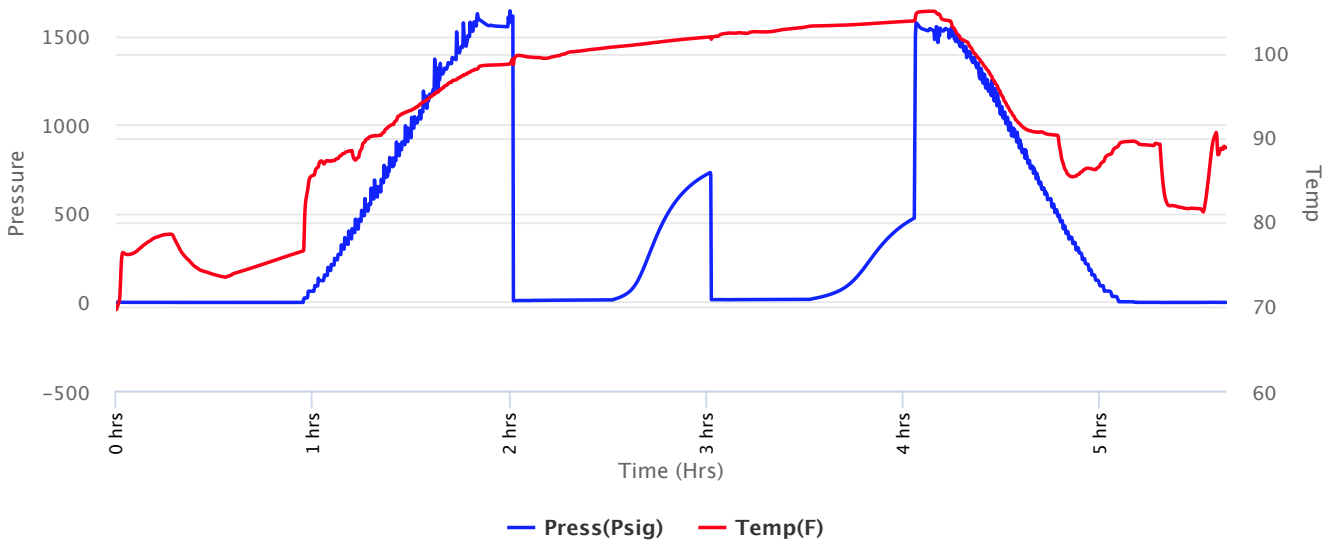
1st Open
 Minutes: 30
 Current Reading:
 1.4" at 30 min
 Max Reading: 1.4"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading:
 1" at 30 min
 Max Reading: 1"

2nd Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
18
 2018

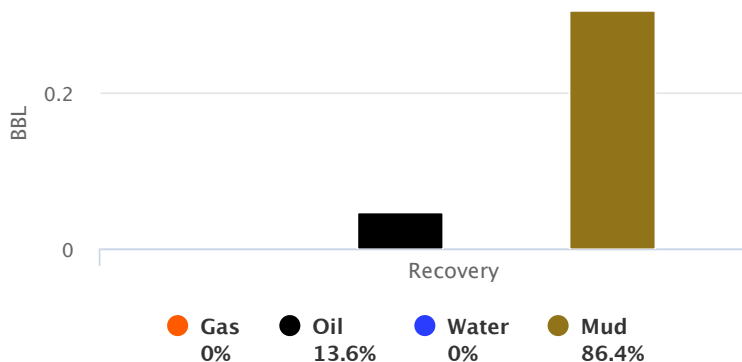
DST #5 **Formation: Conglomerate Sand** **Test Interval: 3312 - 3358'** **Total Depth: 3358'**
 Time On: 09:14 07/18 Time Off: 14:42 07/18
 Time On Bottom: 11:10 07/18 Time Off Bottom: 13:10 07/18

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
1	0.01423	O	0	100	0	0
24	0.34152	SLOCM	0	10	0	90

Total Recovered: 25 ft
 Total Barrels Recovered: 0.35575

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1559	PSI
Initial Flow	9 to 13	PSI
Initial Closed in Pressure	732	PSI
Final Flow Pressure	15 to 16	PSI
Final Closed in Pressure	475	PSI
Final Hydrostatic Pressure	1543	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	35.2	%



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 3
Elevation: 1811 EGL
Field Name: St Peter
Pool: Infield
Job Number: 191

Operation:
Well Complete

DATE
July
18
2018

DST #5 **Formation:** Conglomerate Sand **Test Interval: 3312 - 3358'** **Total Depth: 3358'**
Time On: 09:14 07/18 Time Off: 14:42 07/18
Time On Bottom: 11:10 07/18 Time Off Bottom: 13:10 07/18

BUCKET MEASUREMENT:

REMARKS:

Initial Flow: Weak, surface blow building to 1.4 ins.
Initial Shut-in: No blow back.
Final Flow: Weak, surface blow building to 1 in.
Final Shut-in: No blow back.

Tool Sample: 10% oil, 90% mud

Gravity: 39.5 @ 60 °F



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
18
 2018

DST #5 **Formation:** Conglomerate Sand **Test Interval:** 3312 - 3358' **Total Depth:** 3358'
 Time On: 09:14 07/18 Time Off: 14:42 07/18
 Time On Bottom: 11:10 07/18 Time Off Bottom: 13:10 07/18

Down Hole Makeup

Heads Up: 29.08 FT	Packer 1: 3307 FT
Drill Pipe: 3315.92 FT <i>ID-3 1/2</i>	Packer 2: 3312 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3299 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3347 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 46	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/2</i>	

Change Over: 1 FT

Perforations: (below): 12 FT
4 1/2-FH



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 3
Elevation: 1811 EGL
Field Name: St Peter
Pool: Infield
Job Number: 191

Operation:
Well Complete

DATE
July
18
2018

DST #5 **Formation:** Conglomerate Sand **Test Interval: 3312 - 3358'** **Total Depth: 3358'**
Time On: 09:14 07/18 Time Off: 14:42 07/18
Time On Bottom: 11:10 07/18 Time Off Bottom: 13:10 07/18

Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 46 **Filtrate:** 10.2 **Chlorides:** 9,000 ppm



Company: Grady Bolding Corp.
Lease: Schloctermeier #7

SEC: 5 TWN: 19S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 1811 EGL
 Field Name: St Peter
 Pool: Infield
 Job Number: 191

Operation:
 Well Complete

DATE
 July
18
 2018

DST #5 **Formation: Conglomerate Sand** **Test Interval: 3312 - 3358'** **Total Depth: 3358'**
 Time On: 09:14 07/18 Time Off: 14:42 07/18
 Time On Bottom: 11:10 07/18 Time Off Bottom: 13:10 07/18

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

STATE OF KANSAS



CORPORATION COMMISSION
CONSERVATION DIVISION
266 N. MAIN ST., STE. 220
WICHITA, KS 67202-1513

PHONE: 316-337-6200
FAX: 316-337-6211
<http://kcc.ks.gov/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

November 28, 2018

Lyle L. Gunn
Grady Bolding Corporation
114 NORTH MAIN
P.O. BOX 486
ELLINWOOD, KS 67526-0486

Re: ACO-1
API 15-009-26221-00-00
SCHLOCTERMEIER 7
SE/4 Sec.05-19S-11W
Barton County, Kansas

Dear Lyle L. Gunn:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/14/2018 and the ACO-1 was received on November 28, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department