



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1167353
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: _____

1167353

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 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
<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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1096

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT:
Russell, KS - Hoxie, KS

DATE <u>8-30-13</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Bermeister</u>	WELL #. <u>1</u>	LOCATION				COUNTY <u>Barton</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Skytop Drilling

TYPE OF JOB Long string

HOLE SIZE 5 7/8 T.D. 3339

CASING SIZE 5 7/8 DEPTH 3342

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1500psi MINIMUM 400psi

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT 8/661

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Cory

BULK TRUCK DRIVER Eric

B1

BULK TRUCK DRIVER

#

OWNER

CEMENT AMOUNT ORDERED 1755x corn 2% plaster

2% gel

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	@		
MILEAGE	@		
			TOTAL

REMARKS:

Run 90 HS of 5 7/8 casing and est circulation for 30 min - hooked up and pumped 500gal mud flush - shut down plugged RH with 30sx - hooked up and mixed 145 sx down casing - shut down washed pump and lines clean - Released plug and disp 876bl of H2O - Listing pressure @ 400psi plug landed @ 1500psi - released and float held!

CHARGE TO: ARDC

STREET _____

CITY _____ STATE _____ ZIP _____

Schippers Oil Field Services, L.L.C.,
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			
EXTRA FOOTAGE	@		
MILEAGE	@		
MANIFOLD	@		
	@		
	@		
			TOTAL

PLUG & FLOAT EQUIPMENT

<u>9-cent</u>	@		
<u>1-basket</u>	@		
<u>Catch down 2 1/2 in</u>	@		
<u>1-HEU shoe</u>	@		
<u>500gal mud flush</u>	@		
			TOTAL

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

BKC	3321 - 1412		-1416	-1416
ARBUCKLE	3333 - 1424		-1438	-1447
RTD & LTD	3340 - 1431	3339 - 1430	-1514	-1522

SUMMARY OF DAILY ACTIVITY

8-20-13 RU, work on rig

8-21-13 Work on rig, Drill rat hole, Spud @ 5:30 pm,

8-22-13 drilling, set 8 5/8" surface pipe to 395' w/225 sxs common 2% gel, 3%CC, plug down, WOC 8 hrs

8-23-13 work on rig, work on pump

8-24-13 work on rig, drill plug at 7pm.

8-25-13 790' drilling

8-26-13 1774' drilling


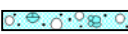








8-27-13 2205' drilling

8-28-13 2700' drilling

8-29-13 3145' drilling, CFS @ 3067', CFS @3256'

8-30-13 3338', CFS @ 3280', CFS @3338', work on mud pump, T.O.H. w/25 stands, drill to 3340' TD CFS. Logging

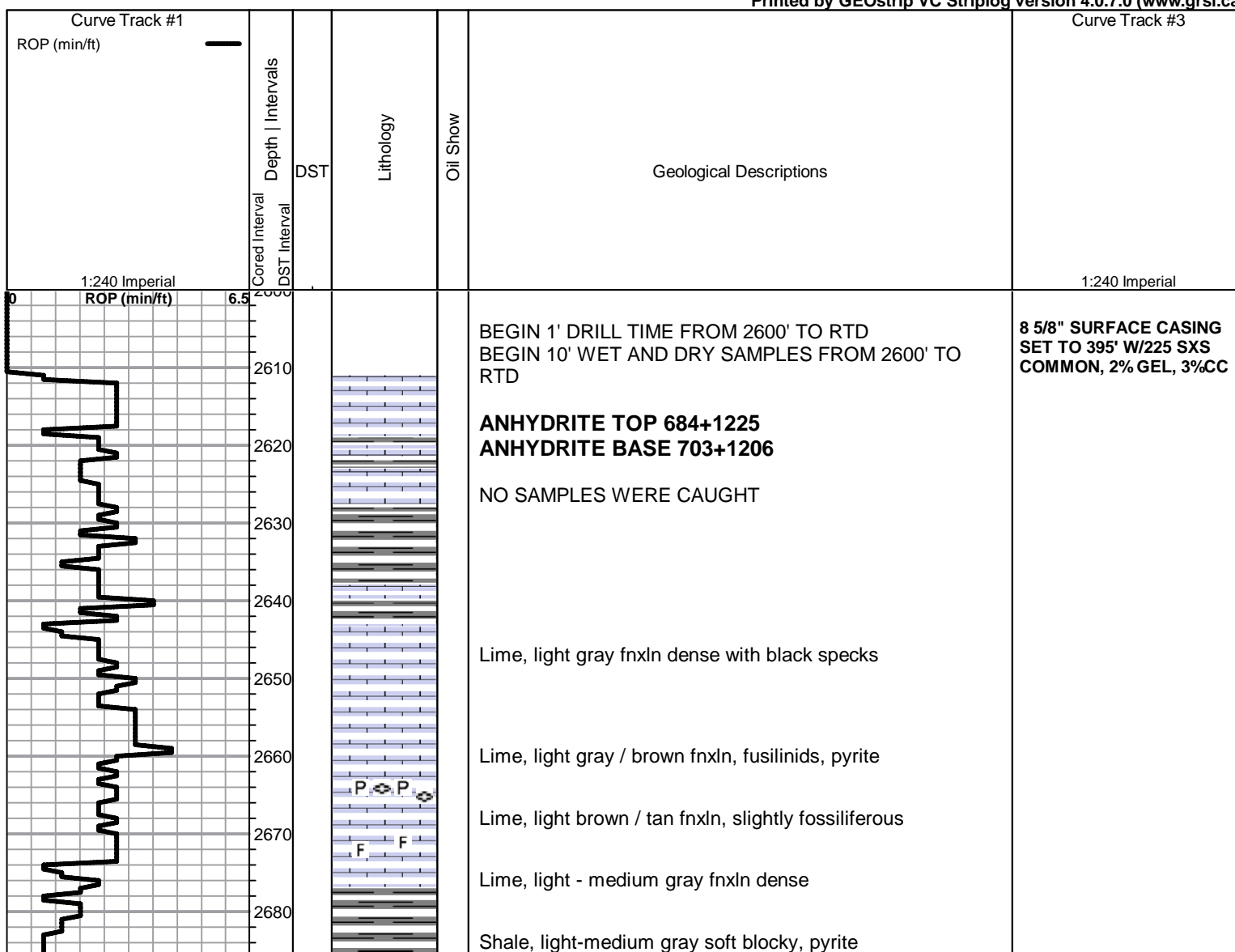
8-31-13 set 5 1/2" casing for open hole completion

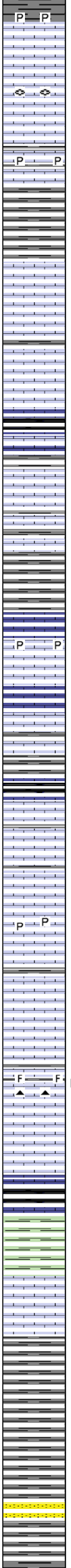
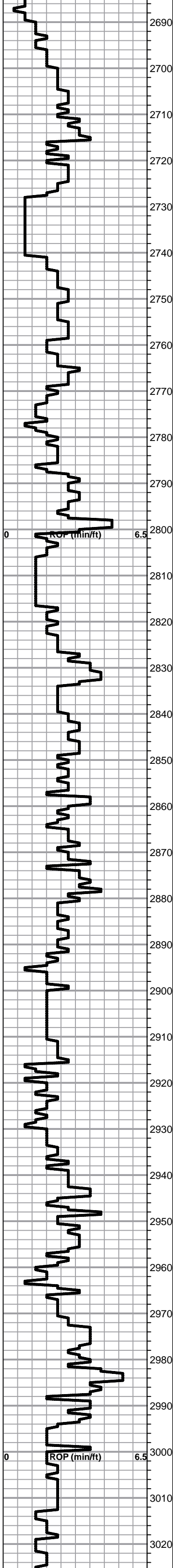
ROCK TYPES			
 Dolprim	 Lscongl	 Carbon Sh	 Ss
 Lmst fw<7	 shale, grn	 shale, red	
 Lmst fw>	 shale, gry	 Shcol	

ACCESSORIES	
MINERAL	FOSSIL
▲ Chert, dark	◇ Brachiopod
P Pyrite	F Fossils < 20%
	⊕ Fossilinid

OTHER SYMBOLS
DST
■ DST Int
■ DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Lime, light brown fnxn, fusulinids

Lime, cream-tan fnxn friable

Lime, cream / light brown fn-med xln, pyrite

Lime, cream medxln friable

Shale, medium gray soft blocky, gray wash

Shale, brown / reddish soft blocky

Lime, light brown- tan fnxn dense

Lime, medium brown fn-vfxln brittle

Shale, black carbonaceous

Lime, light gray / brown fn-vfxln dense

Lime, tan - medium brown fnxn, bedded chalk

Lime, tan-light brown fn-medxln

Shale, gray calcareous soft blocky
chalk white sticky

Lime, light-medium brown fnxn, pyrite

Lime, light gray-light brown fnxn dense

Lime, cream-light fn-vfxln brittle

Shale, light brown soft sticky gray wash

Shale, black carbonaceous waxy

Lime, light-medium brown fnxn brittle

Lime, light gray - light brown fnxn friable, pyrite

Lime, cream-tan fnxn

Lime, cream-light brown fnxn

Lime, light brown, slightly fossiliferous, easily broken,
Gilsonitic stain, gray chert

Lime, cream- light brown fnxn

Lime, light brown vfxln dense

HEEBNER SH SPL 2943' (-1034') ELOG 2937' (-
Shale, black carbonaceous

Shale, medium gray / green blocky soft

TORONTO SPL 2963' (-1054') ELOG 2957' (-1048')

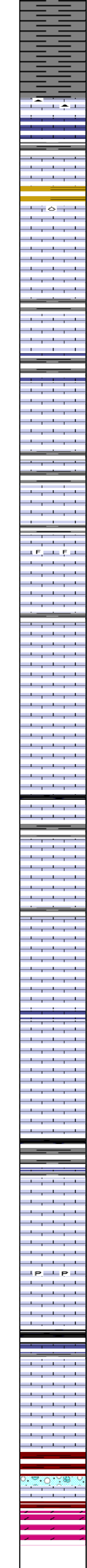
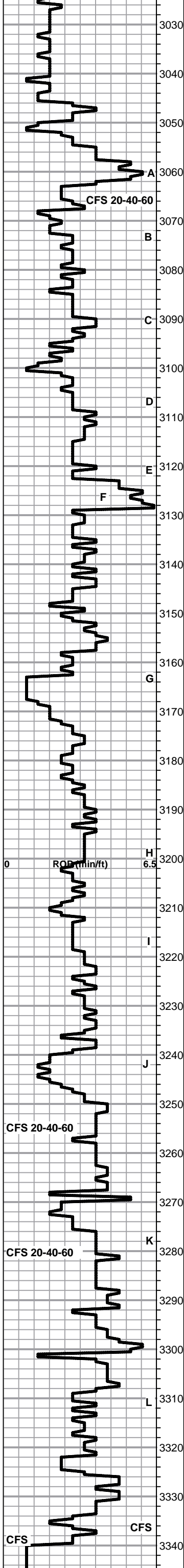
Lime, cream-offwhite fnxn dense

DOUGLAS SH SPL 2976' (-1067') ELOG 2969' (-
1060')
Shale, medium gray blocky dense

Shale, light-medium gray blocky

Shale, medium gray blocky
Sandstone, gray sucrosic low permeability shaley matrix

Shale, gray soft sticky, gray wash



Shale, gray soft fissile

BROWN LM SPL 3045' (-1136') ELOG 3042' (-1133')
Lime, medium brown, vfxln dense with gray chert

LKC SPL 3057'(-1148') ELOG 3057' (-1148')
Lime, cream-tan fnxln oolitic in part, NSFO
Shale, purple blocky soft
Lime, cream-tan fnxln brachiopod fossil

Lime, cream-tan fn-medxln friable

Lime, cream fn-medxln

Lime, cream-tan oolitic, fine interxln porosity, slight stain, slight odor, NSFO

Lime, cream-tan oolitic / oomoldic in part, slight stain, NSFO, slight odor, chalky in part

Lime, light brown / gray fnxln NSFO, no odor

Lime, cream-light brown fnxln chalky

Lime, cream-tan slightly fossiliferous, friable NSFO

Lime, light - medium brown oolitic / oomoldic, slight stain, Gilsonite, slight odor upon crush

Lime, light brown fnxln dense

Lime, cream-tan oomoldic friable, very porous NSFO, no stain, no odor, clean

Lime, light brown fine interxln porosity, no stain, no odor

Lime, cream clean fn-medxln

Lime, tan-medium brown vfxln brittle, hard on crush

Lime, cream-light brown fnxln

Lime, cream-light brown granular, oolitic in some, bedded chalk.

Lime, cream fnxln, friable

Lime, cream - light brown fn-med xln

Lime, tan, slight stain, slight odor NSFO, pinpoint porosity in part

Lime, chalky oolitic in part easily crushed, NSFO, slight stain, slight odor

Lime, cream oolitic with slight interxln porosity, NSFO

Lime, cream fnxln

Lime, offwhite fnxln dense, chalk in part

Lime, slight fine interxln porosity, slight stain, NSFO

Lime, cream - light gray vfxln dense, pyrite

Lime, medium gray oomoldic in part not fully developed

Lime, gray fnxln friable

Lime, light brown fnxln dense

Lime, cream-light brown fn-medxln easily crushed

BKC SPL 3321' (-1412')
Shale, reddish brown soft blocky

Lime, off white granular, friable

ARBUCKLE SPL 3333' (-1424')
Dolomite, fn-xln grading into medium and coarse xln., SFO, good odor, fluorescence

RTD 3340 (-1431) LTD 3339(-1430)

Driller changed weight on bit

LOG INTERVAL 3065-68 MAY BE WET BUT SHOULD BE PERFORATED PRIOR TO ABANDONMENT OF WELL AND TESTED

LOG INTERVAL 3092-95 SHOULD BE PERFORATED AND TEST PRIOR TO ABANDONMENT OF WELL

LOG INTERVAL 3126-29 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

Weight on bit changed from 20,000 to 30k

LOG INTERVAL 3197-3205 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL.

LOG INTERVAL 3266-69 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL.

LKC PERFORATION RECOMMENDATIONS BASED ON LOG ANALYSIS

OPEN HOLE COMPLETION IN TOP OF ARBUCKLE

Global Cementing LLC dba SOS LLC

Invoice

18048 I-70 Road
Russell, KS 67665

Date	Invoice #
8/23/2013	1086

Bill To
ARDC INC <i>ZU</i> 108 W 34TH HAYS, KS 67601

P.O. No.	Terms	Project
BURMEISTER #1	Net 30	

Quantity	Description	Rate	Amount
225	COMMON	15.50	3,487.50T
8	CALCIUM	53.00	424.00T
4	GEL	23.50	94.00T
237	HANDLING	2.10	497.70
	BULK MILEAGE	569.00	569.00
	TRI-PLEX PUMP CHARGE FOR SURFACE	1,050.00	1,050.00
60	PUMP TRUCK MILEAGE	6.50	390.00
60	PICKUP	2.50	150.00
	DEDUCT 15% FROM TOTAL IF PAID WITHIN 30 DAYS OF INVOICE BARTON CO	7.30%	292.40
<p><i>1043.19</i></p> <p><i>\$ 5911.50</i></p> <p><i>& 5911.41 added</i></p> <p><i>Burmeister #1</i></p>			
<p><i>CHK#4771</i></p> <p><i>Drilling Expense</i></p>		<p><i>5911.41</i></p> <p><i>6958.50</i></p>	

Please remit to above address.

Total

\$6,954.60

Phone #	Fax #	E-mail
785-324-2658	785-445-3526	globalcementingllc@gmail.com

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

Invoice
1086

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT:
Russell KS - Home US

DATE <u>8/22/13</u>	SEC. <u>13</u>	TWP. <u>17</u>	RANGE <u>11 NW</u>	CALLED OUT <u>0900</u>	ON LOCATION <u>11:45</u>	JOB START <u>13:00</u>	JOB FINISH <u>13:15</u>
LEASE <u>BREMEISTER</u>	WELL # <u>1</u>	LOCATION <u>SW HOLYROOD</u>			COUNTY <u>BACON</u>	STATE	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Precision Drilling
 TYPE OF JOB SURFACE
 HOLE SIZE _____ T.D. _____
 CASING SIZE 8 3/4 DEPTH 398
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS _____
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 225 ST

EQUIPMENT
 PUMP TRUCK # _____ CEMENTER _____
 # _____ HELPER _____
 BULK TRUCK # _____ DRIVER JAY
 BULK TRUCK # _____ DRIVER _____

COMMON 225 @ _____
 POZMIX @ _____
 GEL 27 @ _____
 CHLORIDE 57 @ _____
 ASC @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING @ _____
 MILEAGE _____

REMARKS:
Completed 15 min
Surface Mix Cement At 1300
24 bbl Displacement
Plug Down 1315

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE @ _____
 MILEAGE From Great Bend @ _____
 MANIFOLD 30 miles X 2 @ _____
 _____ @ _____

CHARGE TO: ARDC INC
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

Schippers Oil Field Services, L.L.C.,
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Thomas E Engel
 SIGNATURE _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____

IF PAID IN-30 DAYS

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Thomas E. Wright, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

February 07, 2014

GREG WHITEHAIR
ZU, LLC
108 W 34TH
HAYS, KS 67601-1629

Re: ACO-1
API 15-009-25873-00-00
Burmeister 1
NW/4 Sec.13-17S-11W
Barton County, Kansas

Dear GREG WHITEHAIR:

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 8/20/2013 and the ACO-1 was received on January 30, 2014 (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