



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1094906
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: _____



1094906

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 733

Cell 785-324-1041

Date	9-6-12	Sec.	14	Twp.	12	Range	15	County	Ellis	State	KS	On Location		Finish	3:00 AM	
Lease	Joy	Well No.	#1	Location	Highway N 10 Buckers 1 1/2 W N Latitude											
Contractor	Riley Bis 1							Owner	To Quality Oilwell Cementing, Inc.							
Type Job	Scribe							You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4	T.D.	813		Charge											
Csg.	5 1/8	Depth	2,13.25		To											
Tbg. Size		Depth			Street	Sandlin Oil Company										
Tool		Depth			City											
Cement Left in Csg.	2007	Shoe Joint	20 ft		The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line		Displace	12 1/4 DPL		Cement Amount Ordered	3 1/2 3 1/2 bags										
EQUIPMENT					140 Com											
Pumptrk	#10	No.	Cementer	Mark	Common											
			Helper													
Bulktrk	#14	No.	Driver	Clayton	Poz. Mix											
			Driver													
Bulktrk		No.	Driver	Jason	Gel.											
			Driver													
JOB SERVICES & REMARKS					Calcium											
Remarks:	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															
	Mileage															
	Cement did circulate															
FLOAT EQUIPMENT																
	Guide Shoe															
	Centralizer															
	Baskets															
	AFU Inserts															
	Float Shoe															
	Latch Down															
	Pumptrk Charge															
	Mileage															
	Tax															
	Discount															
	Total Charge															
X	Signature															

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>9-12-12</u>	SEC. <u>14</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>Joy</u>		WELL # <u>1</u>	LOCATION <u>Hays KS 5N 1E 1/2 NE into</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Royal Drilling #1
 TYPE OF JOB long string
 HOLE SIZE 7 7/8 T.D. 3725
 CASING SIZE 4 1/2 10.5 & 11.6 DEPTH 3725
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL PC 1446-36 DEPTH 1446.36
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 21.63
 CEMENT LEFT IN CSG. 21.63
 PERFS
 DISPLACEMENT 57 1/2 bbl

OWNER
 CEMENT
 AMOUNT ORDERED 125 com 10% salt
500 gal Mud Flush

EQUIPMENT
 PUMP TRUCK CEMENTER Robert Y Bob S
 # 417 HELPER Woody O
 BULK TRUCK
 # 473 DRIVER Walter K
 BULK TRUCK
 # DRIVER

COMMON	<u>125</u>	@	<u>17.90</u>	<u>2237.50</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
Salt	<u>16</u>	@	<u>26.35</u>	<u>421.60</u>
Mud Flush	<u>12 bbl</u>	@	<u>58.70</u>	<u>704.40</u>
		@		
		@		
		@		
HANDLING	<u>136.27 ft³</u>	@	<u>2.48</u>	<u>337.94</u>
MILEAGE	<u>62.75 +/m</u>		<u>2.60</u>	<u>163.15</u>
				TOTAL <u>3864.59</u>

REMARKS:

ran 95 jts of 4 1/2 10.5" and 11.6" csg
received circulation dropped the ball circulated
for 20 min mixed 500 gal mud flush mixed
200 25 lbs in cathole 15 in mouse hole and 100
lbs of com 10% salt displaces 57 1/2 bbl of
water landed plug at 1200' released dry

SERVICE

DEPTH OF JOB			<u>3724</u>	
PUMP TRUCK CHARGE			<u>2558.75</u>	
EXTRA FOOTAGE		@		
MILEAGE	<u>10 HVMI</u>	@	<u>7.70</u>	<u>77.00</u>
MANIFOLD		@		
	<u>10 LVMI</u>	@	<u>4.40</u>	<u>44.00</u>
		@		

CHARGE TO: Sandlin Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2679.75

PLUG & FLOAT EQUIPMENT

rubber plug	<u>1</u>		<u>83.07</u>	<u>83.07</u>
Part Collar	<u>1</u>	@	<u>2907.45</u>	<u>2907.45</u>
bucket	<u>1</u>	@	<u>315.90</u>	<u>315.90</u>
centralizer	<u>3 @</u>	@	<u>56.15</u>	<u>168.45</u>
Guide Shoe	<u>1</u>	@	<u>224.64</u>	<u>224.64</u>
Afu insect	<u>1</u>	@	<u>291.33</u>	<u>291.33</u>

TOTAL 3934.69
3990.84

To: Allied Oil & Gas Services, LLC.
 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.

SALES TAX (If Any) _____
 TOTAL CHARGES 10479.03 10535.18

PRINTED NAME _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Paul B...

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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 13, 2012

Gary Sandlin
Sandlin Oil Corporation
621 17TH ST STE 2055
DENVER, CO 80293-2001

Re: ACO1
API 15-051-26376-00-00
Joy 1
SW/4 Sec.14-12S-18W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Gary Sandlin

OPERATOR

Company: SANDLIN OIL CORPORATION
 Address: 621 17th ST. STE 2055
 DENVER, COLORADO 80293-2001

Contact Geologist: GARY SANDLIN
 Contact Phone Nbr: 303-292-3313
 Well Name: JOY # 1
 Location: N2 SW NW SW Sec.14-12s-18w API: 15-051-26,376-00-00
 Pool: INFIELD Field: BEMIS-SHUTTS
 State: KANSAS Country: USA

Scale 1:240 Imperial

Well Name: JOY # 1
 Surface Location: N2 SW NW SW Sec.14-12s-18w
 Bottom Location:
 API: 15-051-26,376-00-00
 License Number: 6677
 Spud Date: 9/5/2012 Time: 3:30 PM
 Region: ELLIS COUNTY
 Drilling Completed: 9/11/2012 Time: 3:28 PM
 Surface Coordinates: 1880' FSL & 330' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2139.00ft
 K.B. Elevation: 2144.00ft
 Logged Interval: 2900.00ft To: 3725.00ft
 Total Depth: 3725.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1880' FSL
 E/W Co-ord: 330' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: ROYAL DRILLING INC.
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 9/5/2012 Time: 3:30 PM
 TD Date: 9/11/2012 Time: 3:28 PM
 Rig Release: 9/12/2012 Time: 8:00 AM

ELEVATIONS

K.B. Elevation: 2144.00ft Ground Elevation: 2139.00ft
 K.B. to Ground: 5.00ft

NOTES

PRODUCTION CASING WAS RAN TO FURTHER TEST AND DEVELOP ZONES OF INTEREST IN THE LANSING-KANSAS CITY AND ARBUCKLE.

LOGGING BY SUPERIOR WELL SERVICES: DUAL INDUCTION LOG, COMPENSATED NEUTRON/DENSITY LOG AND MICRO LOG.

NO DRILL STEM TESTS WERE RAN

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

JOY # 1

1880' FSL & 330' FWL, SW/4

Sec.14-12s-18w








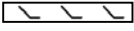



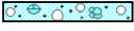
2139' GL 2144' KB

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>LOG TOPS</u>
Anhydrite		1397+ 747
B-Anhydrite		1433+ 711
Topeka		3103- 959
Heebner Shale		3334-1190
Toronto		3356-1212
LKC		3380-1236
BKC		3623-1479
Simpson Shale		3638-1494
Arbuckle		3650-1506
RTD	3725-1581	
LTD		3724-1580

SUMMARY OF DAILY ACTIVITY

9-05-12	RU, spud 5:00PM
9-06-12	213', set 8 5/8" surface casing to 213' w/150 sacks of Common, 2%Gel, 3% CC, plug down 3:00AM, WOC 8 hours, slope 0 degree
9-07-12	1995', drilling
9-08-12	2927', drilling, displace mud system @ 2878'
9-09-12	3539', drilling
9-10-12	3654', washing over bit, collars and drill pipe stuck at 2400'
9-11-12	3654', recovered drill collars, bit and drill pipe, ran in with bit, CCH and drilled to RTD @ 3725', log well, lay down drill pipe, slope 3/4
9-12-12	3725', run production casing and cement, rig down

ROCK TYPES

- | | | | |
|---|---|--|---|
|  Clystgy |  Dolsec |  shale, grn |  shale, red |
|  Clystcol |  Lmst fw<7 |  shale, gry |  Dol Lime |
|  Dolprim |  Lmst fw>7 |  Carbon Sh |  Lscongl |

ACCESSORIES

MINERAL

- ▲ Chert, dark
- P Pyrite
- △ Chert White

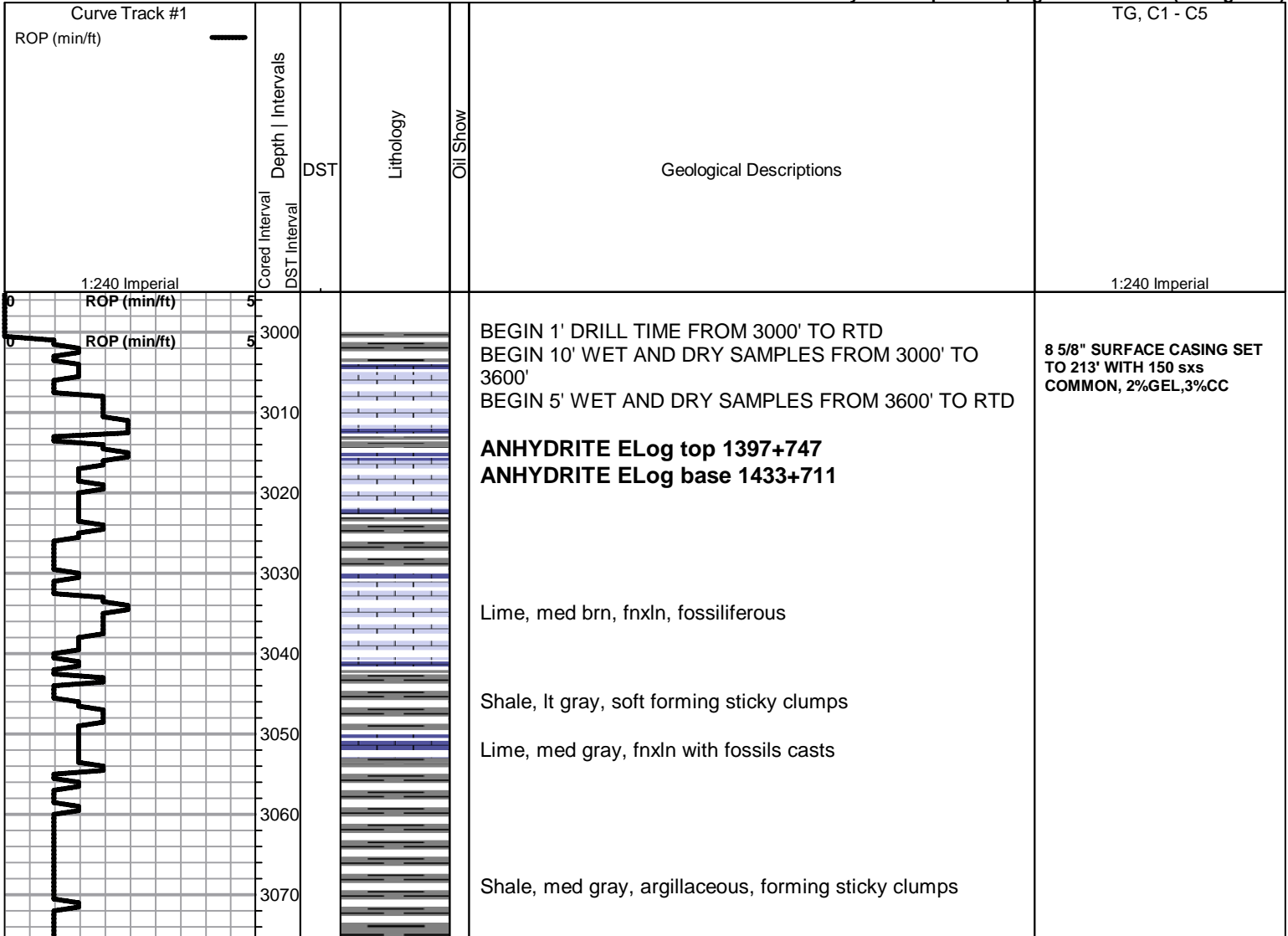
FOSSIL

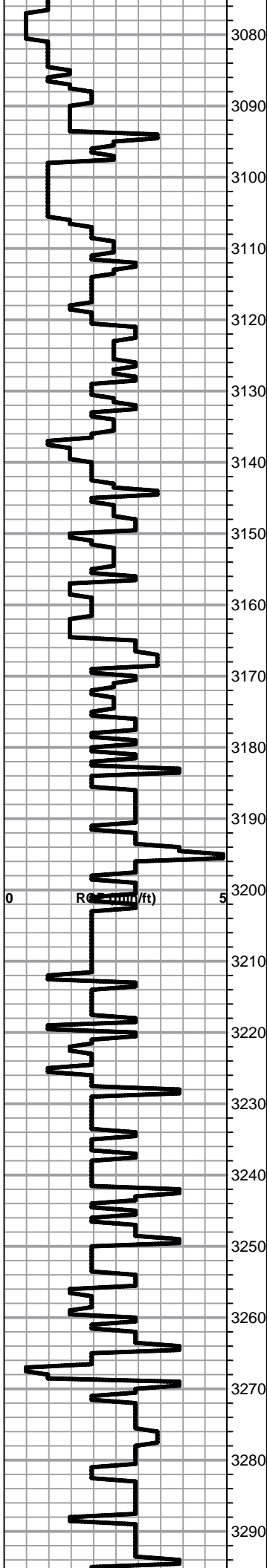
- Oolite
- ⊕ Oomoldic

OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core





Lime, tan-med brn, fnxln

Lime, crm-lt tan, fnxln
 Shale, med gray, blocky with gray wash

TOPEKA ELog 3103-959

Lime, white, fn-vfxln, chalk in part, pyrite clusters

Lime, lt-med gray, fn-vfxln, chalk in part

Lime, lt gray-lt brn, fnxln, hard on crush

Lime, lt brn-med gray, fnxln

Shale, dark gray, fissile
 Lime, crm-lt tan, fnxln with dark flaky residue

Shale, dark gray, fissile, pyritic
 Lime lt brn, fnxln

Lime, lt-med brn, fnxln, fossiliferous

Lime, lt-med tan, fnxln, hard on crush

Lime, tan-lt gray, fn-vfxln, fossiliferous

Lime, tan-lt gray fn-vfxln

Shale, black carbonaceous,
 Lime, lt gray, fnxln, hard on crush

Lime, tan, fnxln, chalk in part

Lime, white, fnxln-vfxln, brittle on break

Lime, crm-brn-gray, fnxln

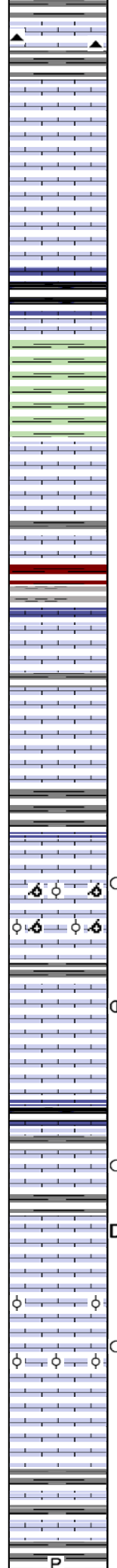
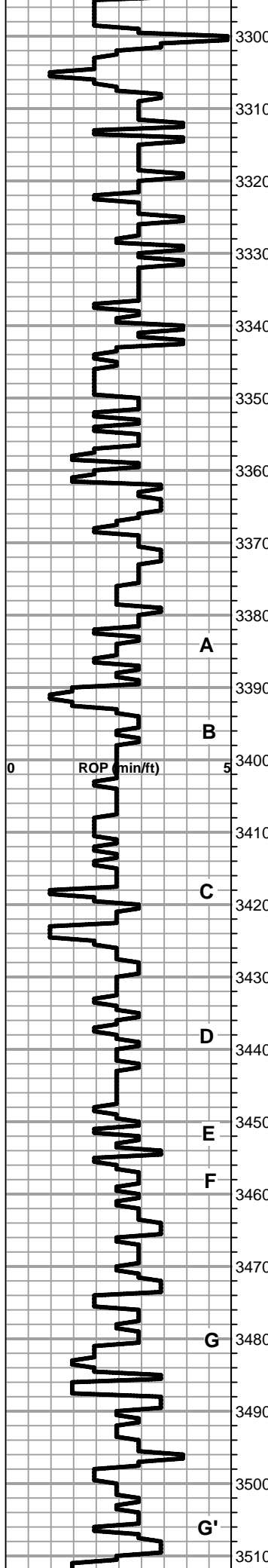
Lime, crm-tan, fnxln

Shale, black carbonaceous, fissile, blocky

Shale, dove gray-lt green, forming soft sticky clumps

Lime, lt tan, fnxln

Lime, crm-tan, fnxln



Lime, tan-lt brn, fnxln, lt brn chert

Lime, tan, fnxln

Lime, crm-lt brn, fnxln

Lime crm-lt brn, fnxln

HEEBNER SHALE ELog 3334-1190

Shale, black carbonaceous, fissile, blocky
Lime, crm-lt brn, fnxln, fossiliferous

Shale, lime green to lt gray, soft forming soft mud

TORONTO ELog 3356-1212

Lime, white-crm, fnxln, chalk in part NS

Lime, tan fnxln
Shale, reddish brn--lt gray, soft forming sticky clumps

LKC ELog 3380-1236

Lime, lt brn-lt gray, fnxln, NS

Lime, tan-lt gray, fnxln, NS

Lime, crm-tan, fnxln

Lime, crm-tan , fn-med xln, scattered staining, Light Odor

Lime, crm, fnxln with oolitic-oolmoldic in part, barren, No odor, No staining, FSO

Lime, crm-brn, mostly fnxln with few chips with interxln porosity, scattered staining, lt odor

Shale, gray-black carbonaceous, fissile, blocky
Lime, lt gray, fnxln

Lime, crm, fn-med xln, interxln porosity, lt staining, no odor

Lime, crm-tan, fnxln with scattered gilsonitic flakes, poor visible porosity development

Lime, crm-lt brn, fnxln with scattered oolitic-oolmoldic material with lt staining and very lt odor.

Lime, crm-lt brn, fnxln

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fnxln, chalk in part

Shale gray soft pyritic

THE LOG ZONE FROM 3413-20 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

THE LOG ZONE FROM 3434-36 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL.

THE LOG ZONE FROM 3457-58 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

THE LOG ZONE FROM 3479-82 MAY BE PRODUCTIVE ON HIGH STRUCTURES AND SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

A

B

C

D

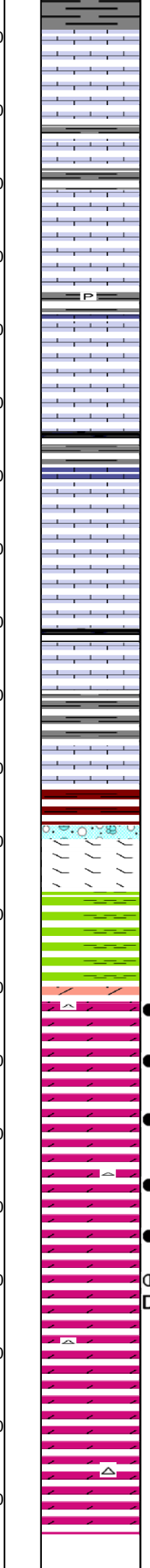
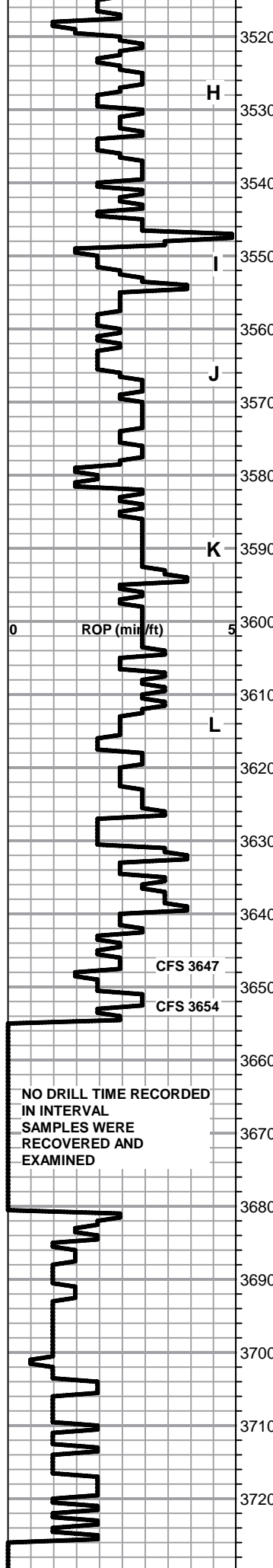
E

F

G

G'

P



Chert, gray, con, pyritic

Lime, crm-lt brn, fnxln, NS

Lime, crm-tan, fnxln, chalk in part

Lime, crm-lt brn-gray, fnxln, hard on crush, NS

Lime, crm, fnxln

Lime, tan-brn-gray, fnxln, NS

Shale, med-dark gray, soft, fissile in part

Lime, crm-lt brn, fnxln, NS

Lime, crm, fnxln, slightly fossiliferous

Lime, tan-brn, fnxln

Lime, crm, fnxln

BKC ELog 3623-1479

Shale, reddish brn, soft, blocky

Lime, clastic in part, dolomitic, fn-med xln

SIMPSON SHALE ELog 3638-1494

Shale, med-dark grn, waxy, fine pyritic crystal inclusions

ARBUCKLE 3650-1506

- Dolomite, crm-lt brn fn-cxln, euhedral, rhombic development in 60" circulating sample with light odor, saturated staining
- Dolomite, white-crm, cxln, good visible interxln porosity with saturated staining, odor with an oily sheen on top of samples.
- Dolomite, crm, fn-cxln, good interxln porosity, saturated staining, fair-good odor
- Dolomite, crm-offwhite, fn-cxln, scattered gilsonitic deposits indicating possible historic oil/water contact.
- Dolomite, crm-offwhite, fnxln, no staining or SFO
- Chert, smoky gray-crm, oolitic
- Dolomite, white-crm, fnxln-granular
- Chert, bone white, fresh, sharp

DECISION TO TEST AT 3654'. DURING SHORT TRIP DRILL PIPE STUCK AT 2400'. BACKED OFF COLLARS AND WASHED OVER RECOVERING BIT AND COLLARS. IN CLEANING OUT HOLE BACK TO BOTTOM, MARKS ON KELLY LOST WITH ACCIDENTAL DRILLING OF 26' OF NEW HOLE. SAMPLES WERE RECOVERED BUT DRILL TIME LOST IN PROCESS

GIVEN THE HISTORY OF PRODUCTION FROM THE ARBUCKLE AND POTENTIAL FOR DEPLETION, RECOMMEND PERFORATING TOP OF LOG ZONE FROM 3653-55

THE LOG INTERVAL FROM 3682-84 MAY BE THE TOP OF A SECOND BREAK AND SHOULD BE PERFORATED AND TESTED AT SOME POINT IN TIME. WITH A GOOD DISPOSAL NEARBY, MORE ZONES IN THE ARBUCKLE MAY BE OPENED AT A LATER DATE TO ELIMINATE POSSIBLE STRATIGRAPHIC TRAPS THAT MAY EXIST BELOW THIN SHALE BEDS.

ALLIED OIL & GAS SERVICES, LLC

056527

Federal Tax I.D.# 20-5975804

SERVICE POINT: *Kiss 11 KS*

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

DATE	9-15-12	SEC	14	TWP	12	RANGE	18	WELL #	1	LOCATION	HAYS SW 1E 1/4 N.E. 1/4	COUNTY	ELLIS	STATE	KS
LEASEE	JOY														
OLD OR NEW	(Circle one)														

CONTRACTOR *Express*
TYPE OF JOB *port caller*
HOLE SIZE *7 7/8*
T.D. *3725*
DEPTH *144*
TUBING SIZE
DRILL PIPE
PRES. MAX
MEAS. LINE
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT *47,661*

EQUIPMENT
PUMP TRUCK *CEMENTER Robert Y Bob's*
409 HELPER *Tony P*
BULK TRUCK
473 DRIVER *Kevin R*
BULK TRUCK
DRIVER
REMARKS:
run to 144 ft at 800' allowed to 300'
open pc mixed (48661) 240 sts to 140' changed 1/2" to 1 1/2" 48661 of water closed pc test to 1000'
con 5 ft marked clean with 25661 water
cement did circulate to surface
Thank you!!!

CHARGE TO: *Sandlin O.I.*
STREET
CITY STATE ZIP
To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cement 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 *Fred Barber*
SIGNATURE *Fred Barber*
TOTAL CHARGES *6738.40*
DISCOUNT *1576.05*
IF PAID IN 30 DAYS
SALES TAX (if Any) *841.56*
TOTAL

PLUG & FLOAT EQUIPMENT
DEPTH OF JOB *1446*
PUMP TRUCK CHARGE *1250*
EXTRA FOOTAGE
MILEAGE TO HWY *7.70*
MILEAGE TO HWY *4.40*
MANIFOLD
TOTAL *1371.00*

SERVICE
COMMON *144* @ *17.90* *2572.60*
POZ MIX *96* @ *9.35* *897.60*
GEL *9* @ *23.40* *210.60*
CHLORIDE
ASC
FLU-SCAL *2* # @ *2.97* *148.50*
HANDLING *430* ft @ *2.98* *1066.40*
MILEAGE *179.5* #/m @ *2.60* *466.70*
TOTAL *3367.40*