



KANSAS CORPORATION COMMISSION 1153787
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 # _____

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1153787

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <i>(Submit ACO-4)</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. 6604

Cell 785-324-1041

Date	4-12-13	Sec.	7	Twp.	23	Range	11	County	Stafford	State	Ks	On Location		Finish	2:30 AM	
Lease	FSI							Well No.	#5	Location Great Bend, Ks - 5 to 14th Street Rd						
Contractor	Southwind							#4	Owner 70th Rd, 90E to 90th Ave, 3/4 N, E Hnd							
Type Job	Surface							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.								
Hole Size	12 1/4"		T.D.	351'			Charge To	Pauky oil								
Csg.	8 5/8"		Depth	351'			Street									
Tbg. Size			Depth				City	State								
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint	15'			Cement Amount Ordered	400 5x Common 3/8 CC 2 1/2 Gal								
Meas Line			Displace	21 BLS			1/2 # Flow seal									
EQUIPMENT							Common	400								
Pumptrk	15	No.	Cementer	Nick			Pos. Mix									
			Helper													
Bulktrk	13	No.	Driver	David L.			Gel.	8								
			Driver													
Bulktrk	p.u.	No.	Driver	Rick			Calcium	14								
			Driver													
JOB SERVICES & REMARKS							Hulls									
Remarks:	Cement did Circulate.							Salt								
Rat Hole								Flowseal	200#							
Mouse Hole								Kol-Seal								
Centralizers								Mud CLR 48								
Baskets	1 on Last Joint							CFL-117 or CD110 CAF 38								
D/V or Port Collar								Sand								
								Handling	426							
								Mileage								
							FLOAT EQUIPMENT									
								Guide Shoe								
								Centralizer								
								Baskets	1							
								AFU Inserts								
								Float Shoe								
								Latch Down								
								Pumptrk Charge	Surface							
								Mileage	33							
							Tax									
							Discount									
							Total Charge									

X Signature

David L. [Signature]

Tax
Discount
Total Charge

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. 6612

Date	4-16-13	Sec.	7	Twp.	23	Range	11	County	Stafford	State	Ks	On Location		Finish	7:45 PM
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Location Ike + Jo's - 7S, 1E, 3/4 N, E1S

Lease	FSI		Well No.	5	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	Southwind		#	4	Charge To	Pauley oil
Type Job	Production		T.D.	3800'	Street	
Hole Size	7 7/8"		Depth	3791.5'	City	
Csg.	5 1/2" IS 5# New		Depth		State	
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool			Depth		Cement Amount Ordered	185 5x Common 10% Salt
Cement Left in Csg.	20.87'	Shoe Joint	20.87'		5% Gilsomite 500 gal mud Clear	
Meas Line			Displace	90 Bis	Common	185

EQUIPMENT

Pumptrk	15	No.	Cementor	Nick
			Helper	
Bulktrk	1	No.	Driver	Heath
			Driver	
Bulktrk	p.u.	No.	Driver	Rick
			Driver	

JOB SERVICES & REMARKS

Remarks:	Salt	17
Rat Hole	Flowseal	
Mouse Hole	Kol-Seal	925 #
Centralizers	Mud CLR 48	500 gal
Baskets	CFL-117 or CD110 CAF 38	
D/V or Port Collar	Sand	
Circulation	Handling	211
plug Rathok w/ 30 5x Cement	Mileage	
Hook to Casing + mix 155 5x Cement	FLOAT EQUIPMENT	
shut down wash pump + lines. Hook to 5 1/2" Casing + Released plug	Guide Shoe	
Displaced with 90 Bis of water Released + held	Centralizer	14 turbo's
	Baskets	2
	AFU Inserts	
	Float Shoe	1
	Latch Down	1
Lift pressure 800 #		
Hand plug to 1600 #		

Pumptrk Charge prod Long String
Mileage 33

[Handwritten Signature]

X Signature

Tax	
Discount	
Total Charge	



Musgrove

**PETROLEUM
CORPORATION**
Clafin, Kansas

Geologist's Report

Company: Pauley Oil

Lease: FSI #5

Field: Brock

Location: SE-SE-NW-NW (1269' FNL & 1048' FWL)

Sec: 7 Twsp: 23S Rge: 11W

County: Stafford State: Kansas

GL: 1828' KB: 1835'

Contractor: Southwind Drilling Company Rig #4

Spud: 4-12-13 Comp: 4-16-13

RTD: 3800' LTD: 3797'

Mud Up: 2400' Type Mud: Chemical/Displaced

Samples Saved From: 2600 to RTD

Drilling Time Kept From: 2600 to RTD

Samples Examined From: 2600 to RTD

Geological Supervision From: 3150 to RTD

Geologist on Well: K. Talbott

Surface Casing: 8 5/8" @ 351'

Production Casing: 5 1/2" set and cemented

Electronic Surveys: By Pioneer: CNL/CDL, MEL, DIL

	Pauley Oil				Paulery Oil	
	FSI #5				Spare	
	SE-SE-NW-NW Sec. 7-T23S-11W				SE-NW-NW-SW Sec. 7-T23S-R11W	
KB	1835				1834	
Formation	Sample	Sub-sea	E-Log	Sub-Sea	Sample	Sub-sea
Anhydrite			708	1127		1834
Base Anhy.			729	1106		1834
Heebner	3130	-1295	3132	-1297	3133	-1299
Toronto	3150	-1315	3147	-1312	3153	-1319
Brown Lime	3271	-1436	3270	-1435	3278	-1444
ensing	3298	-1463	3285	-1450	3302	-1468
Viola	3592	-1757	3591	-1756	3595	-1761
Simpson	3625	-1790	3624	-1789	3624	-1790

Viola	3592	-1757	3591	-1756	3595	-1761
Simpson	3625	-1790	3624	-1789	3624	-1790
Arbuckle	3678	-1843	3680	-1845	3679	-1845

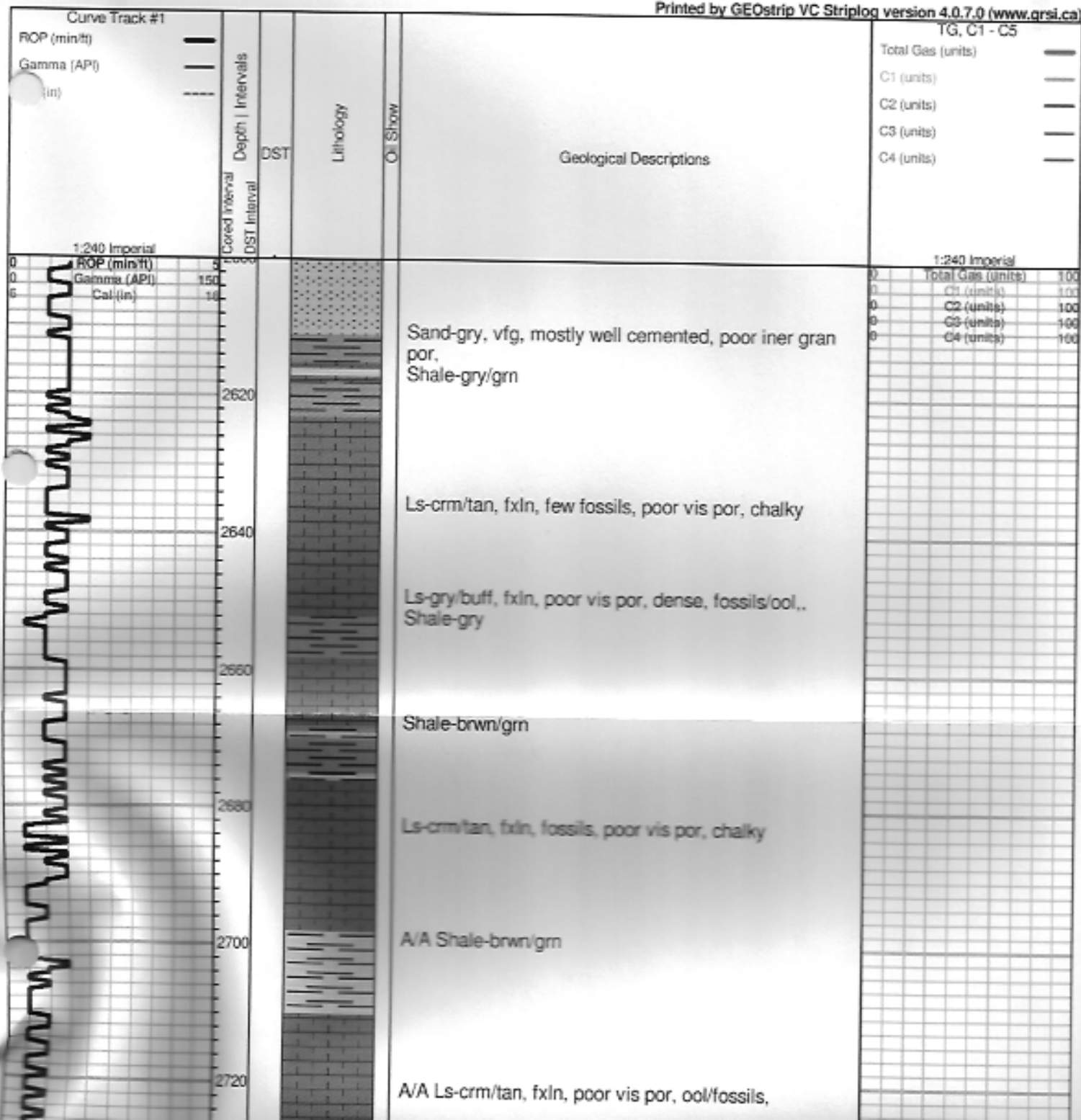
ROCK TYPES

Chl	Dolprim	shale, gm	Carbon Sh	Ss
Chl vari	Lmst fw<7	shale, gry	Shool	

OTHER SYMBOLS

- DST
 DST Int
 DST alt

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2720
2740
2760
2780
2800
2820
2840
2860
2880
2900
2920

ROP (min/ft)
Gamma (API)
Cal (in)

0
0
6

8
150
10

A/A Ls-crm/tan, fxln, poor vis por, ool/fossils,

Shale-gry, silty, mica

Ls-crm/tan, fxln, fossils, poor vis por, chalky
Shale-brwn/grn

A/A

Shale-gry/ slightly silty

Ls-gry/buff, fxln, fossils/ool, poor vs por

Sand-gry, vfg-fg, poor iner gran por, mica, glauconite

Ls-crm/tan, fxln, fossils, poor vis, por, chalky

A/A

Ls-crm/tan, fxln, fossils, poor vis por, chalky

A/A

Ls-crm/tan, fxln, fossils, poor vis por, slightly chalky

Ls-crm/tan, fxln, fossils, poor iner xln por, dark brown to black spotty stains nsfo, no odor

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

to black epoxy stains here; no odor

2940

A/A

Ls-crm/tan/gry, f-med xln, fossils, poor iner xln por, trace brown stains, NSFO, No odor

2960

A/A

2980

Ls-crm/tan, f-med xln, fossils, poor iner xln por, chalky

3000

ROP (min/ft)
Gamma (API)
G (in)

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

A/A

3020

Ls-wht/lt gry, f-med xln, poor iner xln por, fossils, chalky

3040

Ls-wht/lt gry, f-med xln, poor iner xln to vug por, fossils, chalky

3060

Ls-crm/tan, f-med xln, ool/fossils, slightly dolomitic, poor iner xln por, chalky

3080

A/A

3100

Ls-gry/tan, fxln, fossils, poor vis por, chalky, chery
Shale-brwn/gm

3120

Heebner 3130.0 (-1295.0) -1293.0

Black carbon shale

3140

Shale-brwn/gry/gm

Toronto 3150.0 (-1315.0) -1311.0

Toronto 3150.0 (-1315.0) -1311.0

Ls-crm/tan, fxln, ool/fossils, poor vis por, chalky, mostly dense

Douglas 3164.0 (-1329.0) -1327.0

Shale-brwn/red/gry/gm, slightly silty, mica

A/A Trace sand-gry fvg-lg poor iner gran por, mica, glauc.

A/A Pyrite

Shale-gry/gm, silty, mica

A/A

Brown Lime 3271.0 (-1436.0) -1435.0

Ls-tan/buff/gry, fxln, dense, few fossils, poor vis por
shale-brwn/gry/gm

Lansing 3298.0 (-1463.0) -1460.0

Ls-tan/lt gry, fxln, ool/fossils, poor scattered por, chalky, trace brown stains, TrSFO, chalky, fair odor

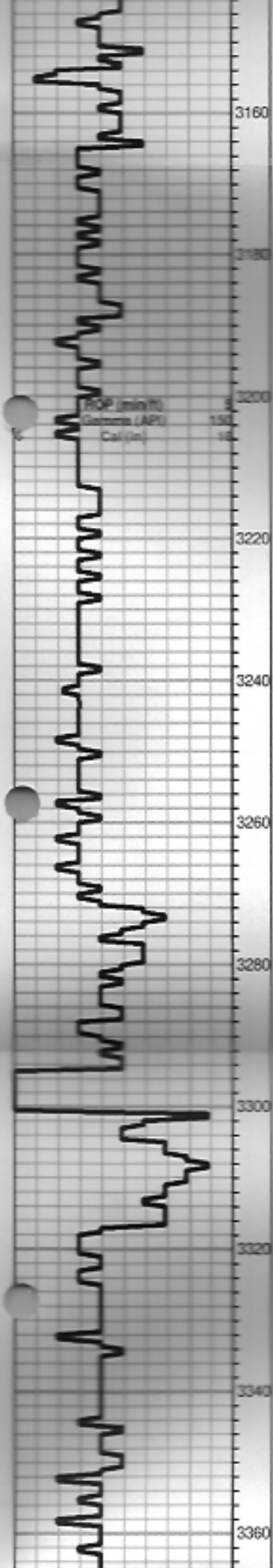
Ls-crm/tan, fxln, ool, scattered poor iner xln por, slightly chalky, cherty

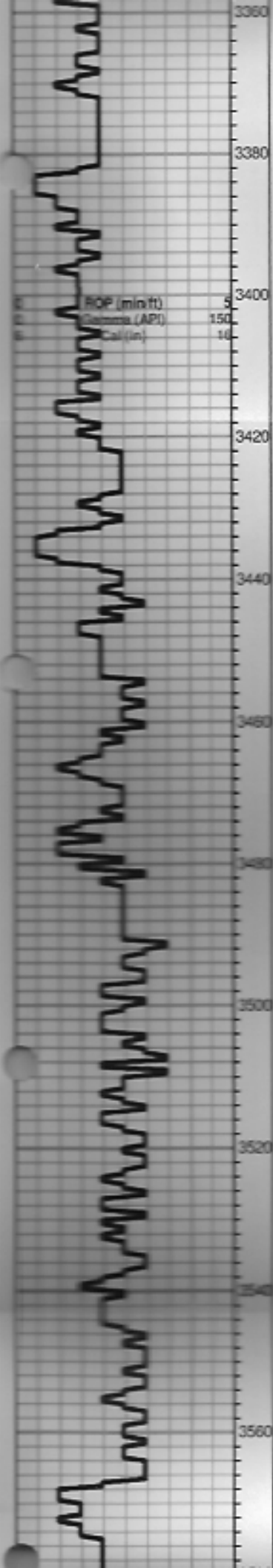
Ls-wht/lt gry, fxln, poor vi spor, chalky cherty

Ls-gry/tan, fxln, fossils/ool, poor vis por, dense

Ls-wht/lt gry, fxln, ool, poor iner xln por, Trace brown stains, NSFO, faint odor

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100





Ls-gry/tan, fxln, fossils/ool, poor vis por, dense
Chert-gry/wht

Ls-crm/tan, fxln, fossils, poor/fair iner xln to vug por,
Brown stains, SFO, poor/fair odor

Ls-wht/crm/tan, fxln, ool/fossils, oom por, brown stains,
broken open fair/good SFO, faint odor.

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

Ls-crm/tan, fxln, ool, scattered oom por, Trace brown
stains, TrSFO, faint odor

Ls-tan/lt gry, fxln ool, scattered good oom por with
poor vug por, golden brown stains, SFO,

Ls-lt gry/wht, fxln, ool/fossil,s poor oom and vug por,
golden brown stains, SFO, faint odor

Ls-wht/lt gry/crm, fxln, ool, poor iner ool to iner xln por,
golden brown stains, SFO, faint/fair odor

Ls-crm/tan, fxln, ool, poor vis por, chalky

Ls-crm/tan, fxln, ool, poor vis por, chalky

Ls-crm/wht, fxln, poor vis por, chalky

Ls-crm/tan, fxln, few fossils, poor vi spor, chalky

Shale-brwn/gry/gm

Ls-crm/wht/lt gry, fxln, poor iner xln por, sucrosic, trace
dark brown stains, NSFO, no odor



Ls-A/A
Chert-wht/crm

Chert-wht/crm

Trace sand-clear, fine grained, glauconitic, poor iner granular por, firm

Viola 3592.0 (-1757.0) -1757.0

Ls-tan/crm, f-med xln, fossils, poor/fair ine rxln to ppt por, golden brown stains, SFO,

Chert-tan/crm/wht, Gas Bubbles??

Chert-wht/crm/tan, semi-trip golden brown stains, SFO, odor

Simpson Shale 3625.0 (-1790.0) -1789.0

Shale-bwn/gry/gm

Chert-wht/tan, mostly fresh, shale-bwn/gm

Sand-gry/gm/wht, fine grained, glauconitic, mostly firm , poor iner gran. por, dark brown to black stains, TrSFO

Arbuckle 3678.0 (-1843.0) -1845.0

Dol-crm/tan/buff, f-med xln, few rhomb, mostly dense, poor iner xln por, golden/dark brown stains, Broken open SFO, good odor

Dol-crm/tan, fxln, dense, poor iner xln with good scattered vug por, golden brown stains, SFO, good odor

Dol-crm/tan, f-med xln, few rhomb xln, poor iner xln to vug por, golden brown stains, Broken open TrSFO, good odor, Chert-boney wht/crm

A/A Scattered good vug por,

Dol-crm/tan, fxln, dense, poor iner xln, por, trace stains, No odor

A/A chert- boney wht/crm

Dol-wht/crm, fxln, dense, poor vis por, cherty, chalky

	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

