



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: _____



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 Bbbs.	Gas Mcf	Water Bbbs.	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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Brown 1-12
Doc ID	1153462

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **Captiva II**

445 union Blvd Suit 208 Lakewood CO 80228

ATTN: Jeff Lawler

Brown #1-12

12-22s-10w Reno

Start Date: 2013.02.16 @ 17:15:00

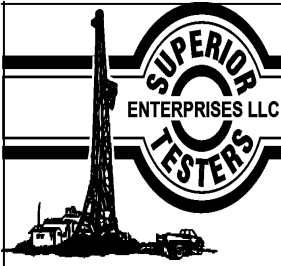
End Date: 2013.02.17 @ 00:56:30

Job Ticket #: 17387 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.02.17 @ 01:11:58

Captiva II
12-22s-10w Reno
Brown #1-12
DST # 1
LKC A-F
2013.02.16



DRILL STEM TEST REPORT

Captiva II
 445 union Blvd Suit 208 Lakewood CO 80228
 ATTN: Jeff Lawler

12-22s-10w Reno
Brown #1-12
 Job Ticket: 17387 **DST#: 1**
 Test Start: 2013.02.16 @ 17:15:00

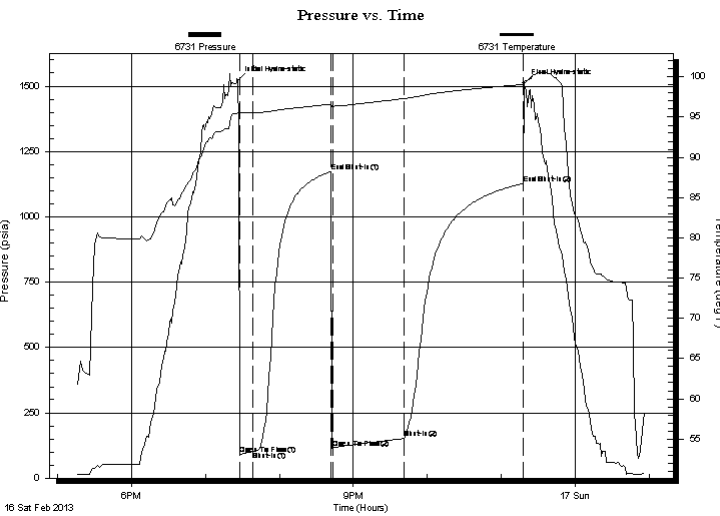
GENERAL INFORMATION:

Formation: **LKC A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:27:30
 Time Test Ended: 00:56:30
Interval: 3075.00 ft (KB) To 3191.00 ft (KB) (TVD)
 Total Depth: 3191.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320- Great Bend- 70
 Reference Elevations: 1743.00 ft (KB)
 1734.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6731

Press@RunDepth: 151.64 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.16 End Date: 2013.02.17 Last Calib.: 2013.02.17
 Start Time: 17:15:00 End Time: 00:56:30 Time On Btm: 2013.02.16 @ 19:26:00
 Time Off Btm: 2013.02.16 @ 23:18:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 7 inches into water in 15 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 60 Minutes-Weak blow built 2 inches from bottom of bucket in 60 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

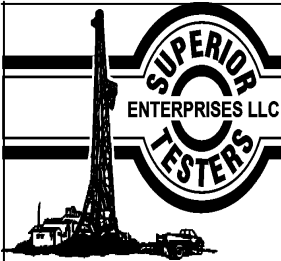
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1522.36	95.57	Initial Hydro-static
2	91.20	95.50	Open To Flow (1)
13	101.61	95.59	Shut-In(1)
76	1172.82	96.61	End Shut-In(1)
77	113.71	96.37	Open To Flow (2)
135	151.64	97.30	Shut-In(2)
232	1125.08	99.06	End Shut-In(2)
233	1510.86	99.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud	0.59

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Captiva II
 445 union Blvd Suit 208 Lakewood CO 80228
 ATTN: Jeff Lawler

12-22s-10w Reno
Brown #1-12
 Job Ticket: 17387 **DST#: 1**
 Test Start: 2013.02.16 @ 17:15:00

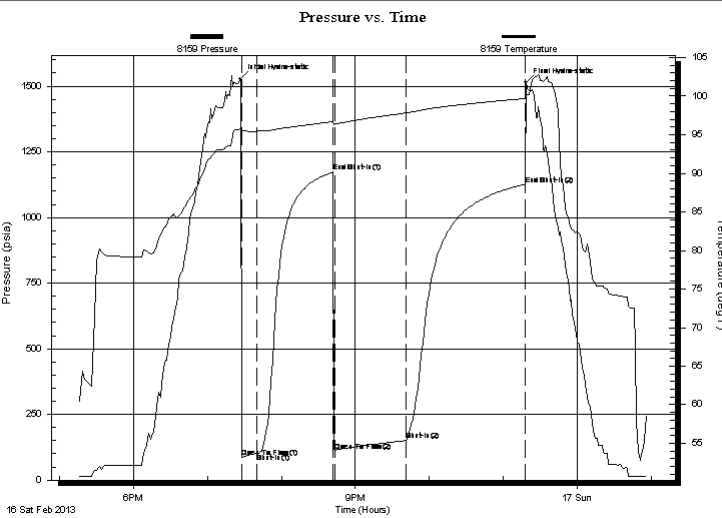
GENERAL INFORMATION:

Formation: **LKC A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:27:30
 Time Test Ended: 00:56:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320- Great Bend- 70
 Interval: **3075.00 ft (KB) To 3191.00 ft (KB) (TVD)**
 Total Depth: 3191.00 ft (KB) (TVD)
 Reference Elevations: 1743.00 ft (KB)
 1734.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 9.00 ft

Serial #: 8159

Press@RunDepth: 1125.84 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.16 End Date: 2013.02.17 Last Calib.: 2013.02.17
 Start Time: 17:15:00 End Time: 00:56:30 Time On Btm: 2013.02.16 @ 19:26:30
 Time Off Btm: 2013.02.16 @ 23:18:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 7 inches into water in 15 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 60 Minutes-Weak blow built 2 inches from bottom of bucket in 60 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

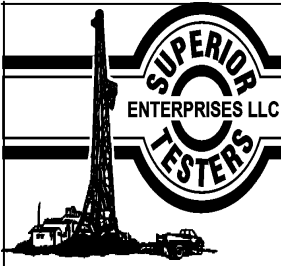
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1527.06	95.83	Initial Hydro-static
1	88.50	95.47	Open To Flow (1)
13	101.47	95.45	Shut-In(1)
76	1172.49	96.71	End Shut-In(1)
77	111.63	96.46	Open To Flow (2)
135	150.51	97.84	Shut-In(2)
231	1125.84	99.67	End Shut-In(2)
232	1515.05	100.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud	0.59

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva II
 445 union Blvd Suit 208 Lakewood CO 80228
 ATTN: Jeff Lawler

12-22s-10w Reno
Brown #1-12
 Job Ticket: 17387 **DST#: 1**
 Test Start: 2013.02.16 @ 17:15:00

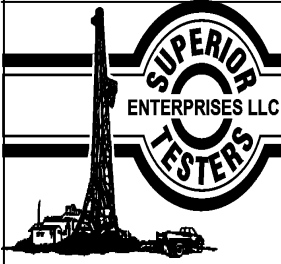
Tool Information

Drill Pipe:	Length: 2866.00 ft	Diameter: 3.80 inches	Volume: 40.20 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	71000.00 lb
			<u>Total Volume: 41.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	67000.00 lb
Depth to Top Packer:	3075.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	116.00 ft				
Tool Length:	144.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3052.00	
Hydraulic Tool	5.00			3057.00	
Jars	6.00			3063.00	
Safety Joint	2.00			3065.00	
Packer	5.00			3070.00	28.00 Bottom Of Top Packer
Packer	5.00			3075.00	
Anchor	5.00			3080.00	
Change Over Sub	0.75			3080.75	
Drill Pipe	63.50			3144.25	
Change Over Sub	0.75			3145.00	
Anchor	41.00			3186.00	
Recorder	1.00	6731	Inside	3187.00	
Recorder	1.00	8159	Outside	3188.00	
Bullnose	3.00			3191.00	116.00 Bottom Packers & Anchor

Total Tool Length: 144.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva II

12-22s-10w Reno

445 union Blvd Suit 208 Lakewood CO 80228

Brown #1-12

Job Ticket: 17387

DST#: 1

ATTN: Jeff Lawler

Test Start: 2013.02.16 @ 17:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mud	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

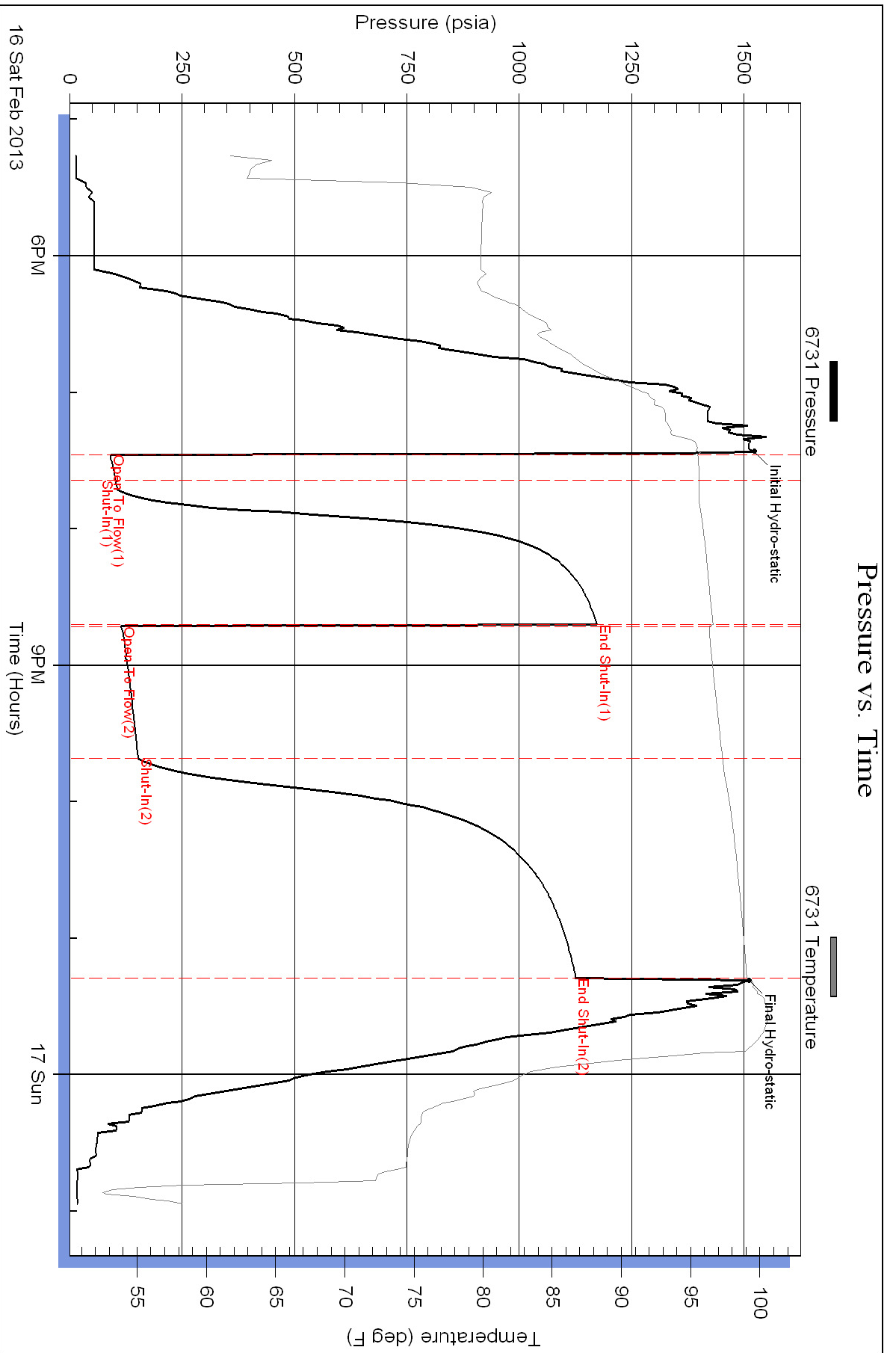
Num Gas Bombs: 0

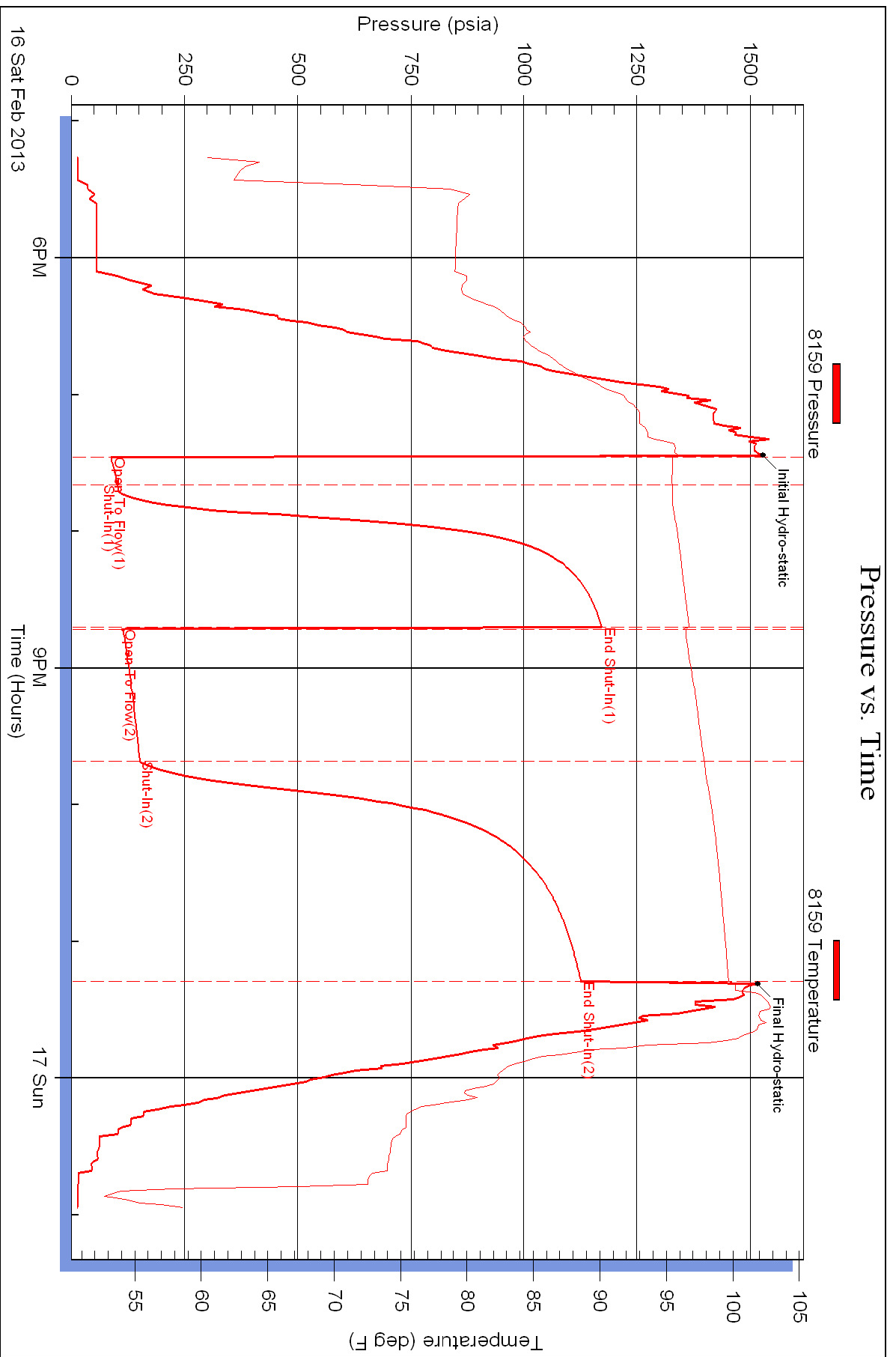
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





OPERATOR

Company: CAPTIVA II
 Address: 445 UNION BLVD.
 SUITE 208
 LAKEWOOD, CO 80228
 Contact Geologist: CHRIS GOTTSCHALK
 Contact Phone Nbr: (785) 623-1524
 Well Name: BROWN #1-12
 Location: SE NW NE SW 12 - 22S - 10W
 Pool:
 State: KANSAS
 API: 15-155-21643-0000
 Field: WISBY NORTHWEST
 Country: USA

Scale 1:240 Imperial

Well Name: BROWN #1-12
 Surface Location: SE NW NE SW 12 - 22S - 10W
 Bottom Location:
 API: 15-155-21643-0000
 License Number: 31725
 Spud Date: 2/12/2013 Time: 3:30 PM
 Region: RENO
 Drilling Completed: 2/18/2013 Time: 6:32 AM
 Surface Coordinates: 2111' FSL & 1857' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1734.00ft
 K.B. Elevation: 1743.00ft
 Logged Interval: 2600.00ft To: 3677.00ft
 Total Depth: 3675.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.3744558 Latitude: 38.1502146
 N/S Co-ord: 2111' FSL
 E/W Co-ord: 1857' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING
 Address: 108 W 35TH
 HAYS, KS 67601
 Phone Nbr: (785) 259-3737
 Logged By: Geologist Name: JEFF LAWLER

CONTRACTOR

Contractor: STERLING DRILLING COMPAY
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 2/12/2013 Time: 3:30 PM
 TD Date: 2/18/2013 Time: 6:32 AM
 Rig Release: 2/19/2013 Time: 8:00 AM

ELEVATIONS

K.B. Elevation: 1743.00ft Ground Elevation: 1734.00ft
 K.B. to Ground: 9.00ft


NOTES

DUE TO STRUCTURAL POSITION, LOG ANALYSIS, & DST RESULTS IT WAS DECIDED TO PLUG & ABANDON THE BROWN #1-12.

WELL COMPARISON SHEET

FORMATION	P&A 6-64								P&A O&G 7-78				LONE STAR OIL, INC.								
	REX & MORRIS & RIGGS								SHEILDS OIL PRODUCERS				SHEILDS OIL PRODUCERS				PROFFITT PROSPECT #1				
	BROWN #1-12				BROWN #1				BROWN C #1				PROFFITT #1								
	SE SE NW 12-22-10				SE SE NW 12-22-10				NW SE 12-22-10				NENW NE 12-22-10				S2 NW NW NE 12-22-10				
KB		1743		KB		1742		KB		1762		KB		1755		KB		1761			
LOGTOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP																					
BASE																					
GRAND HAVEN												2223	-468								
TARKIO LIME												2304	-549								
3RD SAND												2338	-583								
BASE 3RD SAND												2371	-616								
HOWARD			2531	-788								2527	-772		-16						
TOPEKA	2637	-894	2634	-891	2618	-876	-18	-15				2631	-876	-18	-15						
HEEBNER SHALE	2930	-1187	2930	-1187	2923	-1181	-6	-6	2948	-1186	-1	-1	2930	-1175	-12	-12	2925	-1164	-23	-23	
TORONTO	2950	-1207	2953	-1210	2942	-1200	-7	-10	2968	-1206	-1	-4	2951	-1196	-11	-14					
DOUGLAS SHALE	2968	-1225										2973	-1218	-7				2984	-1223	-2	
BROWN LIME	3070	-1327	3071	-1328	3063	-1321	-6	-7	3090	-1328	+1	+0	3067	-1312	-15	-16	3066	-1305	-22	-23	
LKC	3098	-1355	3097	-1354	3090	-1348	-7	-6	3118	-1356	+1	+2	3095	-1340	-15	-14	3093	-1332	-23	-22	
BKC	3397	-1654	3397	-1654	3394	-1652	-2	-2				3396	-1641	-13	-13	3396	-1635	-19	-19		
CONGLOMERATE					3420	-1678															
VIOLA LIME	3456	-1713	3456	-1713	3450	-1708	-5	-5				3450	-1695	-18	-18	3458	-1697	-16	-16		
SIMPSON SHALE	3536	-1793	3540	-1797	3539	-1797	+4	+0				3548	-1793	+0	-4	3546	-1785	-8	-12		
SIMPSON DOLOMITE	3542	-1799			3546	-1804	+5									3556	-1795	-4			
SIMPSON SAND					3557	-1815						3556	-1801			3560	-1799				
ARBUCKLE	3594	-1851	3594	-1851	3598	-1856	+5	+5				3613	-1858	+7	+7						
RTD			3675	-1932					3190	-1428		-504	3625	-1870		-62	3593	-1832			-100
LTD	3677	-1934			3629	-1887	-47														

DST #1 LKC A-F 3075' - 3191'



DRILL STEM TEST REPORT

Captiva II
445 union Blvd Suit 208 Lakewood CO 80228
ATTN: Jeff Lawler

12-22s-10w Reno
Brown #1-12
Job Ticket: 17387 DST#: 1
Test Start: 2013.02.16 @ 17:15:00

GENERAL INFORMATION:

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 Deviated: No Whipstock: ft (KB)
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Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320- Great Bend- 70

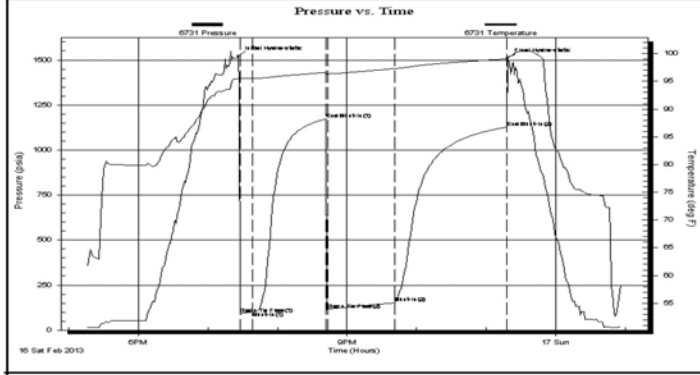
Interval: **3075.00 ft (KB) To 3191.00 ft (KB) (TVD)**
 Total Depth: 3191.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1743.00 ft (KB)
 1734.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6731

Press@RunDepth:	151.64 psia @	ft (KB)	Capacity:	5000.00 psia	
Start Date:	2013.02.16	End Date:	2013.02.17	Last Calib.:	2013.02.17
Start Time:	17:15:00	End Time:	00:56:30	Time On Btm:	2013.02.16 @ 19:26:00
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PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1522.36	95.57	Initial Hydro-static
2	91.20	95.50	Open To Flow (1)
13	101.61	95.59	Shut-In(1)
76	1172.82	96.61	End Shut-In(1)
77	113.71	96.37	Open To Flow (2)
135	151.64	97.30	Shut-In(2)
232	1125.08	99.06	End Shut-In(2)
233	1510.86	99.36	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	mud	0.59

Gas Rates			
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)	

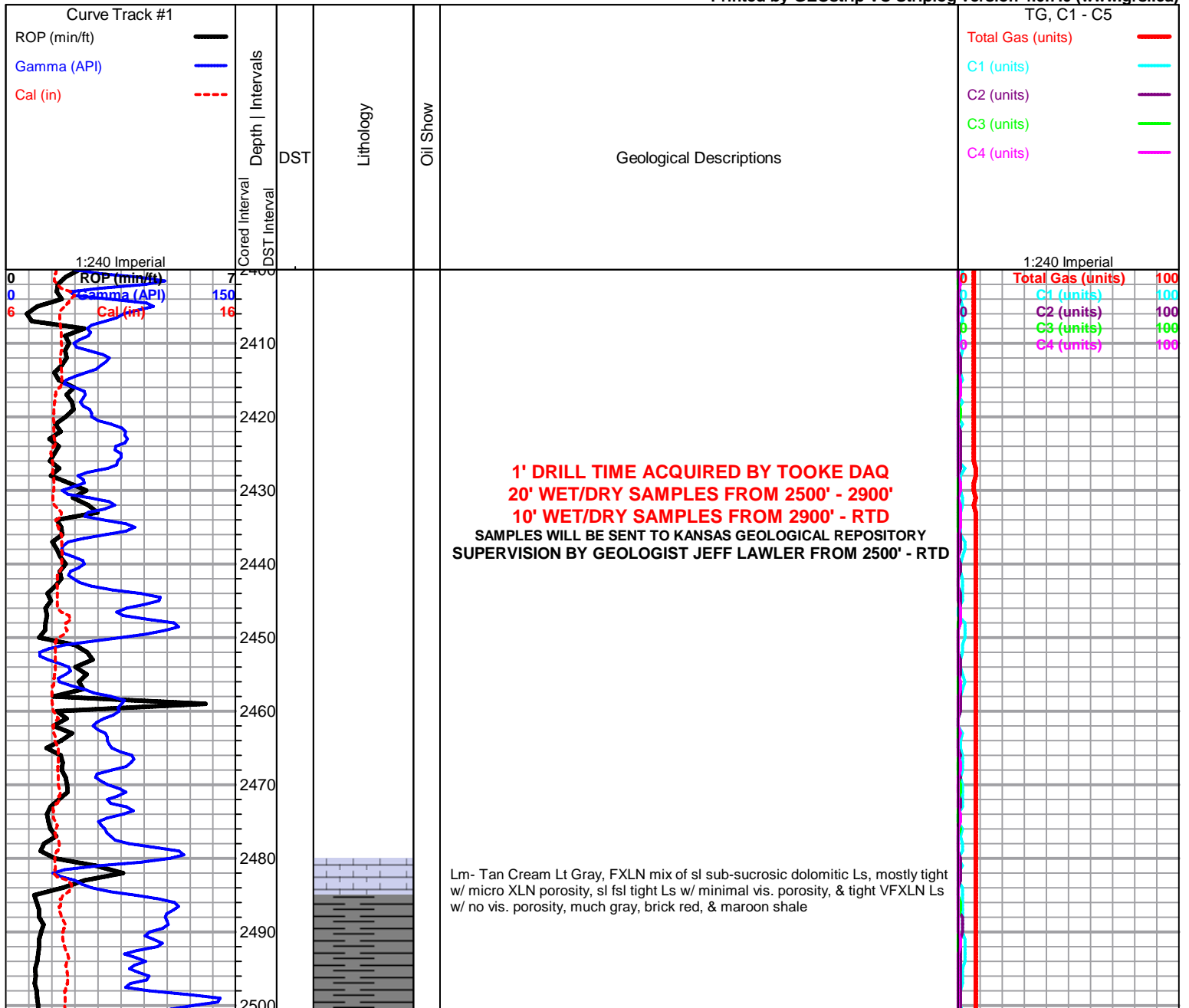
ROCK TYPES

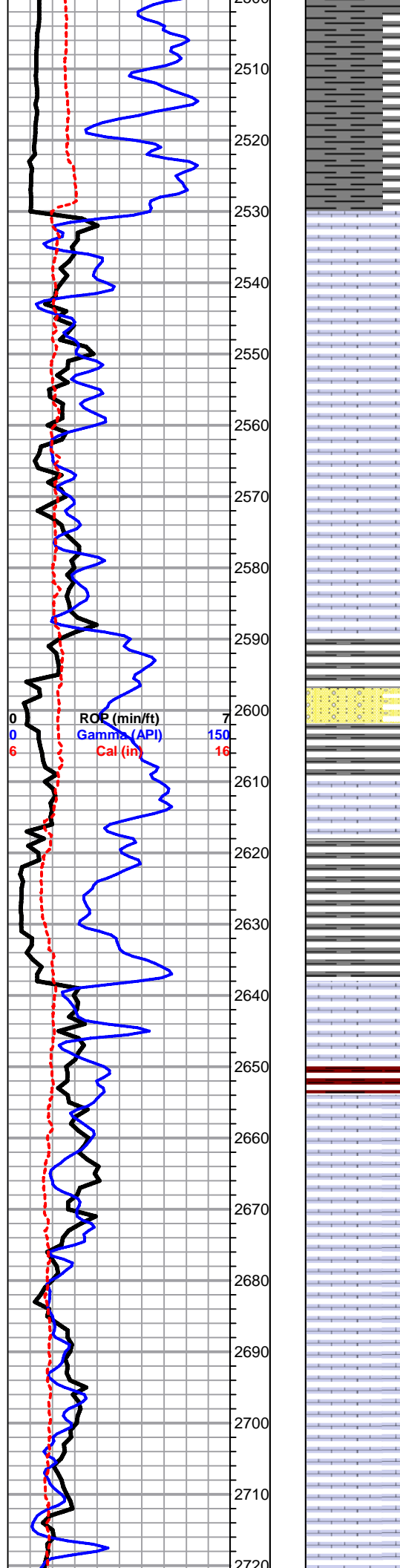
 Cht	 Dolprim	 shale, gry	 SsPebbley
 Congl	 Lmst fw7>	 Carbon Sh	
 Chtcongl	 shale, grn	 shale, red	

OTHER SYMBOLS

- DST**
-  DST Int
 -  DST alt
 -  Core

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





Sh- Lt Gray Brown Maroon Lm Green, sl silty, gritty & earthy, sl calcareous, dense & well compacted

HOWARD 2531' (-788) E-LOG

Lm- Tan Cream, Fn Grn & FXLN, mix of sl calcareous, soft, loosely cemented & well cemented, sl fsl w/ interbedded fusulinids, mostly tight w/ micro XLN porosity

GAS TEST

Lm- Cream Tan, FXLN, dense, well cemented mix, some sl fsl & tight w/ no vis. porosity, vry sl. cherty, some gritty, loosely cemented w/ vry fn ppt porosity, NS

Sh/Ss- Lt & Drk Gray Maroon Brick Red Lm Green, soft, sl silty & calcareous, gritty & earthy, mix of dove grey fn grn silty Ss & sandy lime, Lm Green- few chips w/ micro pyrite inclusions

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

Lm- Buff Tan, VFXLN, dense, vry well cemented, sl fsl, tight w/ no vis. porosity

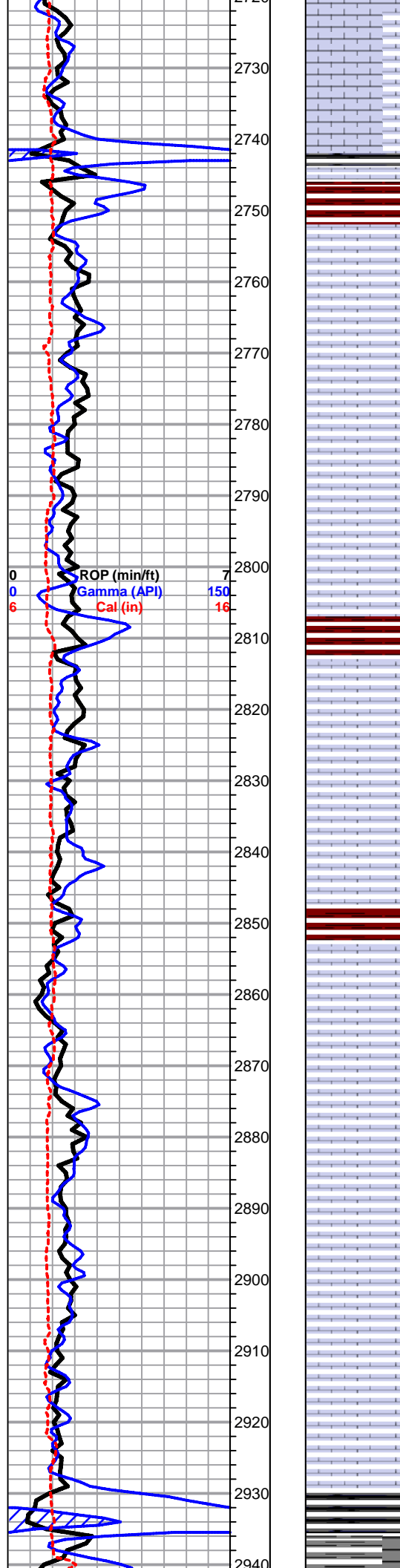
TOPEKA 2634' (-891) E-LOG 2637' (-894)

Lm/Ss- Cream Off White, FXLN, sl oolitic, well cemented, poorly developed, mostly interbedded, dense & tight w/ minimal vis. porosity Ss- Clear - Sl Frosted, mostly consolidated Fn grn, friable, sl speckled w/ dark minerals, clean, NS

Lm- Off White Tan, VF-FXLN, dense, well cemented, some lithographic, all mostly tight w/ no-minimal vis. porosity, clean & barren

Lm- Tan Cream, FXLN, dense, well cemented sl dolomitic Ls, sl gritty, mostly tight w/ XLN & some w/ dense XLN porosity, NS

Lm- Tan, FXLN, dense, well cemented, sub-sucrosic sl dolomitic Ls, tight w/ minimal vis. porosity, 2-3 chips of oolitic / sl oomoldic Ls, vry scrd partial skeletal dissolution, poorly developed, NS



Lm- Tan, A/A w/ sctrd secondary recrystallization

****BEGIN
DISPLACEMENT****

Lm- Cream Off White, FXLN, dense, well cemented, sl fsl, poorly developed w/ minimal vis. porosity

Lm- Tan Lt Gray, FXLN, mix of gritty, sub-sucrosic sl dolomitic Ls, well cemented, micro XLN-XLN porosity, few chips of lt gray sl fsl cherty Ls

Lm- Cream Off White Tan, FXLN, mix of well cemented, some sl cherty, fsl w/ no vis. porosity, some loosely cemented grainstones moderately developed, all clean & barren

Lm- Cream, FXLN, mix of sl fsl, some w/ dense secondary recrystallization porosity, some mostly tight w/ minimal vis. porosity, all clean & barren

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

Lm- Cream Off White, A/A, few sl chalky in part

Lm- Cream Off White, FXLN, sl fsl, mottled, sctrd XLN & secondary recrystallization porosity

Sh- Drk Gray Maroon, slick, well compacted, gritty & earthy

Lm- Cream Off White, FXLN, poorly developed, loosely cemented, sl chalky in part, some w/ dense fenestral XLN porosity

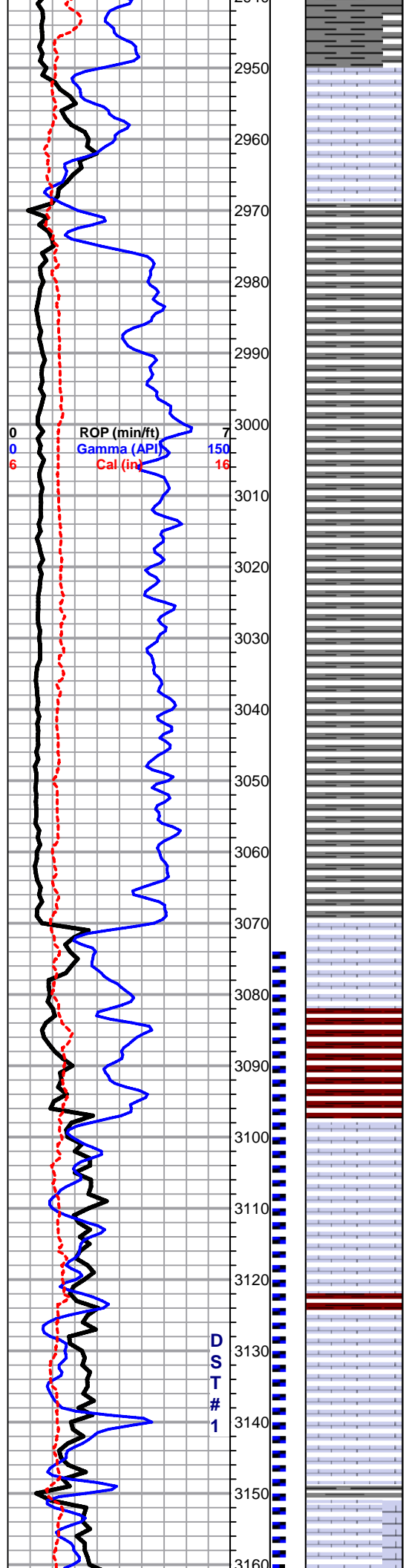
Lm- Cream Tan, FXLN, A/A, some well cemented, tight w/ minimal vis. porosity, sctrd gummy white chalk

Lm- Buff Off White, VFXLN, dense, vry well cemented, sl fsl, tight w/ no vis. porosity

Lm- Cream Off White, Vf-Fn Grn, A/A, w/ mud supported, sl fsl mix, chalky in part

Lm- Tan, VF-FXLN, dense, vry well cemented, tight w/ no vis. porosity

HEEBNER 2930' (-1187) E-LOG 2930' (-1187) Sh- Black Gray, fissile, carbonaceous, gritty & earthy



Sh- Lt Gray Lm Green, soft, silty, calcareous, dense, sl waxy, well compacted

TORONTO E-LOG 2950' (-1207)

Lm- Cream Off White, Crypto-FXLN, poorly developed mixed, few sl fsl, others w/o vis. grains or porosity, most w/ lt sctrd mottling

Lm- Off White, Fn Grn, soft, loosely cemented, mod. developed, chalky in part, dense vry fn ppt porosity, much soft white chalk

DOUGLAS SHALE E-LOG 2968' (-1225)

Sh- Lt Gray, abundant gummy argillaceous clumps, some Vf grn shaley Ss/Sandy lime, speckled w/ dark minerals

Sh- Lt Gray, abundant gummy argillaceous clumps

Sh- A/A

Sh- Lt Gray, soft, silty, calcareous, some slick & sl waxy, well compacted

Sh- Lt Gray, abundant soft, silty, & calcareous, gummy argillaceous clumps, & some sl sandy lime

BROWN LIME 3071' (-1328) E-LOG 3070' (-1327) Lm- Brown Tan, FXLN, dense, vry well cemented, fsl bio-turbated, high-energy mix w/ interbedded crinoids & fusulinids, no vis. porosity, sctrd recrystallized secondary XLN porosity

Sh- Maroon, gritty & earthy, gummy argillaceous clumps

LKC 3097' (-1354) E-LOG 3098' (-1355) Lm- Tan Cream, FXLN, sl developed, well cemented, fsl, mostly consistant dense XLN porosity, NS

Lm- Cream Off White, Vf Grn - FXLN, some mud supported matrix, chalky in part, sl fsl & poorly developed, fsl fragments, dense XLN porosity, sl unconsolidated

○ Lm- Cream Tan, FXLN, high-energy, fsl fragments, dense secondary XLN porosity, vry sl mineral flor, WK HALO WET CUT FLOR. NO STN, NSFO, NO ODR

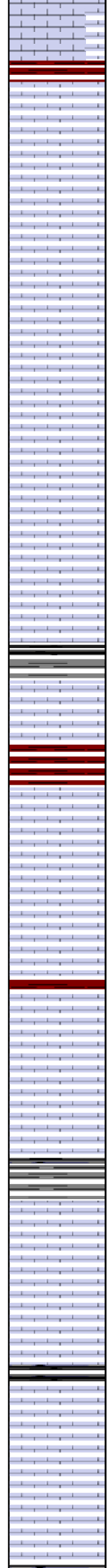
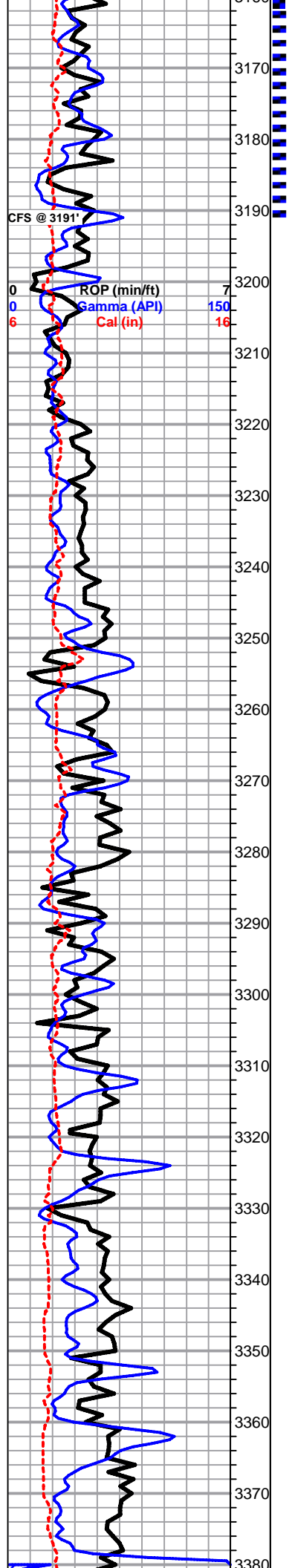
D ○ Lm- Cream Off White, FXLN, dense, well cemented, poorly developed, sl oolitic, poor/none interoolitic porosity, sctrd XLN porosity, RARE BLK RESIDUAL STN, NO SFO, PR-FR GSY ODR

Lm- Tan, FXLN, sl unconsolidated, some w/ chalky lime matrix, trashy, all poorly cemented & crumbley

○ Lm- Cream Off White, FXLN, dense, well cemented, sl dolomitic cherty Ls, gritty, sl developed w/ sctrd vry fn ppt porosity, sl fsl, SL GSY SHN, VRY LT STN, SL SGSYFO WHEN LEFT UNDER LAMP, PR-FR ODR, SLOW STRM

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

**** GAS TEST @ 3117' LAGGED @ 3107' ****



HALO CUT & FLOR

Lm- Tan, VF-FXLN, sl fsl, dense, vry well cemented, tight w/ no vis. porosity

Lm- Lt Brown Tan, FXLN dense, vry well cemented, sl fsl, poorly developed w/ sctrd vry fn ppt porosity, SCTRD DRK STN, SL SFO UPON CRUSH, PR ODR

Lm- Cream Tan, Crypto XLN, oolitic biomicrite, translucent siliceous cementation, no vis. porosity, tight

Lm- Off White Tan, oolitic mix of densely packed white oolites in golden brown siliceous cementation w/o vis. porosity/matrix, golden brown oolitic-vry sl oomoldic, w/ rare skeletal dissolution, dense micro/XLN porosity & poor/no intermoldic connectivity, and cream mud supported matrix, unconsolidated & sl pebbly, dense, loosely cemented, no vis. porosity, all clean & barren

Lm- Tan, FXLN, dense, poorly developed sub-sucrosic sl dolomitic Ls, micro XLN porosity, much soft white chalk

Lm- Cream, Fn Grn, dense well cemented algal Ls, no vis porosity

Lm/Chert- Tan Off White, FXLN, dense, well cemented, poorly developed w/ minimal vis. porosity, few chips of fresh bedded chert

Sh- Black Gray Lm Green, soft, fissile, carbonaceous, sl silty, sl waxy

Lm- Tan Off White, Crypto-VFXLN, dense, brittle, well cemented, tight w/ minimal vis. porosity, sl cherty

Sh- Maroon, gritty & earhty & Lm Green wash

Lm- Cream Off White, FXLN & Fn Grn, sl fsl mix, both loosely cemented & crumbly, no interparticle porosity, some sctrd XLN porosity w/ few chips having secondary recrystallization veins

Lm- Cream Off White, FXLN, oolitic/oomoldic, sctrd development, some w/ partial skeletal dissolution & poor intermoldic connectivity w/ sctrd vuggy porosity, mostly well cemented, 1-2 chips w/ VRY WK RARE SPOTTY STN, NO SFO, VRY FNT ODR, NO FLOR

Sh- Maroon, gritty & earhty

Lm- Cream Off White, Crypto-FXLN, dense, very well cemented, tight w/ minimal vis. porosity/development

Sh- Black Drk Gray Brown Maroon, small soft fissile carbonaceous chips, soft, slick, gritty & earthy, few sl unconsolidated & pebbly

Lm- Cream Tan, FXLN, sl fsl & oolitic, poorly developed, well cemented, mostly tight w/ sctrd XLN porosity, 1 chip w/ BLK RESIDUAL DD OIL STN, NO SFO, NO ODR

Sh- Black Gray Maroon, well compacted, carbaoneous, gritty & earthy, sl calcareous

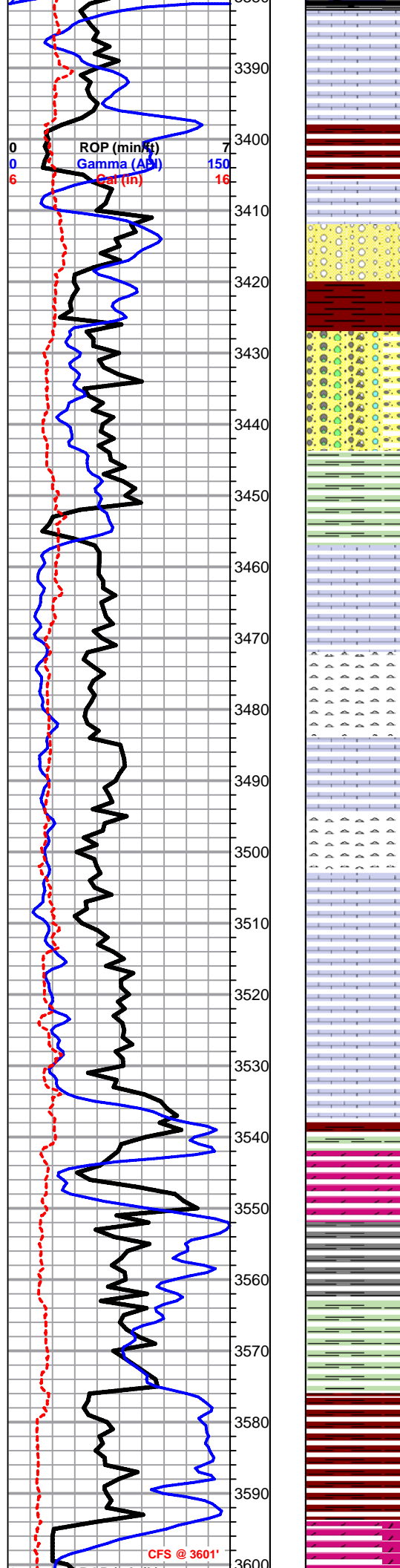
Lm- Cream, VF-FXLN, dense, well cemented, some sl fsl, tight w/ no vis. porosity, very clean, chips of soft white chalk

Sh- Black Pea Green Lm Green Maroon Lt Gray, slick well compacted,

SHORT TRIP
SURVEY 1 1/4 dgr
STRAP -1.33'

DST #1
LKC A-F
3075' - 3191'

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



carbonaceous, sl silty & soft, gritty & earthy, few chips vry unconsolidated & trashy

Lm- Off White, F-Med XLN, dense, loosely cemented & crumbly, fsl & sl oolitic, poorly developed w/ sctrd XLN porosity, minimal to no vis. interoolite porosity, very clean, much gummy white chalk

BKC 3397' (-1654) E-LOG 3397' (-1654) Sh- Red Maroon Brown Lm Green Gray, some red wash, gritty & earthy, sl waxy, some vry sl sandy lime

Lm/Ss- Off White Yellow tint, FXLN, well cemented, eroded & R/W, fsl, tight w/ no vis. porosity, Ss-Dove Gray, Vf Grn, shaley, loosely cemented

Conglomerate- Cream FXLN Ls, tinted w/ yellow & purple shale, eroded R/W, loosely cemented, shaley lime & Ss

Sh- Red Lt Gray, much gummy argillaceous clumps

Sand/Cherty Conglomerate- Clear, sub-rnd to rdn, f-m grn, mature, mix of consolidated to sl unconsolidate & clean to chalky & shaley, well cemented to friable, clean, NS Chert- Salmon & Cream, eroded & R/W, vry well cemented, some w/ small pyrite inclusions

Sh- Mint Green White, soft, sl waxy, some sl unconsolidated & pebbly, gummy white chalk/clay

VIOLA 3456' (-1713) E-LOG 3456' (-1713) Lm- White Off White, F-Med XLN, appears eroded & R/W, loosely cemented & crumbly, sl cherty in part, few chips of eroded & R/W white chert w/ sctrd XLN porosity, all very clean & barren

Lm- A/A w/ increasing ratio of crypto-VFXLN cherty Ls, tight, mostly w/o vis. grains or porosity

Chert- Golden Brown Semi-Translucent Salmon, sl fsl, fresh bedded

Lm- Cream Off White, FXLN, dense, loosely cemented, sl cherty Ls, tight w/ minimal vis. porosity

Chert- Egg Shell White, crypto-XLN, no vis. matrix or porosity, fresh bedded, near prestine

Lm/Chert- Off White, VF-FXLN mix of sl cherty Ls, gritty sl dolomitic Ls, & few chips of vry well cemented gritty sl dolomitic chert, all clean & barren

Lm- Cream Off White, A/A w/ more dolomitic chert

Lm- Cream Off Whie, VF-FXLN, dense, well cemented, tight sl dolomitic Ls, no vis. porosity, very clean & barren

SIMPSON SHALE 3540' (-1797) E-LOG 3536' (-1793) Sh- Mint Green Maroon, dense, well compacted, waxy, slick, gritty & earthy

SIMPSON DOLOMITE E-LOG 3542' (-1799) Dolomite- Cream Off White, FXLN, mix of soft, loosely cemented & crumbly and vry well cemented & dense, all w/ minimal vis. porosity, completely barren

Sh- Gray Maroon, gritty thin slivers, gritty & earthy chips

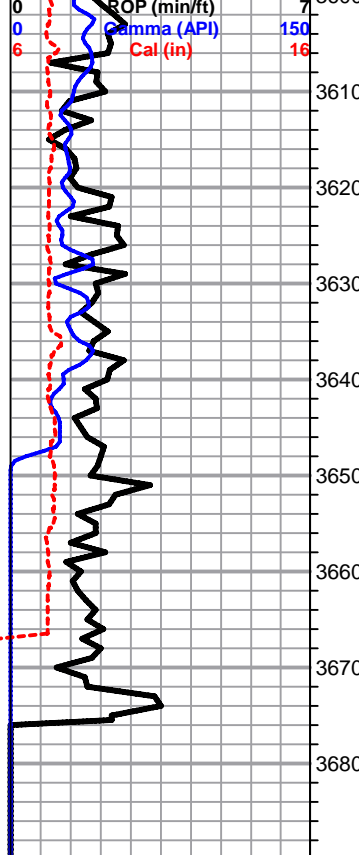
Sh- Red/Green Green/Gray, well compacted, mottled

Sh- Increasing amount of red, fissile Lt gray chips, some sl unconsolidated & pebbly, Lm Green w/ few speckles & inclusions of pyrite 1-2 chips w/ fn grn qtz. inclusions, no Ss clusters or ind. grains in tray

ARBUCKLE 3594' (-1851) E-LOG 3594' (-1851) Dolomite- Cream Tan, FXLN, mix of sucrosic, loosely cemented, few w/ glauconite specks (few chips sl sandy) FXLN oolitic / sl oomoldic w/ partial skeletal dissolution & poor

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

**** GAS TEST @ 3505' ****



interconnectivity, well cemented, poorly developed, & 1-2 chips of oolitic chert, clean & barren, VRY FNT WHIFF OF ODR IN CUP

Dolomite- Cream Med-Crs XLN, sucrosic euhedral rhombs, loosely cemented & crumbley, moderately developed w/ FR interstitial porosity Pink- FXLN, dense, well cemented, tight w/ minimal vis. porosity, all clean & barren, NO STN, NO ODR

Dolomite- Tan Cream, F-Med XLN, most loosely cemented, moderately developed w/ consistant XLN & fn ppt porosity throughout, all clean & barren

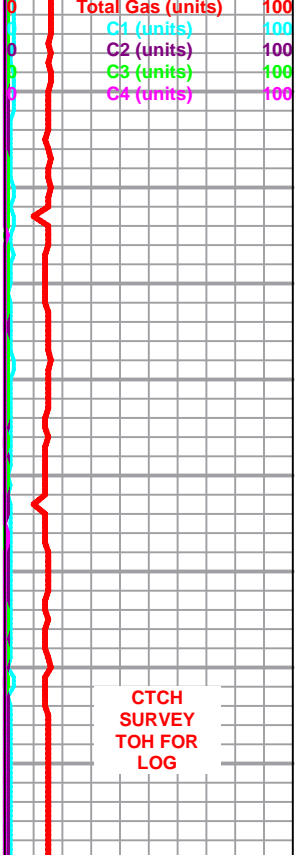
Dolomite- A/A w/ better cementation, some chips w/ sctrd siliceous cementation, few chips of VF-FXLN, cherty dolomite

Dolomite- Tan Cream, F-Med XLN, well cemented, moderately developd w/ consistant vry fn ppt porosity

Dolomite- Tan Cream Med-Crse XLN, loosely-well cemented, moderate-well developed w/ GD consistant ppt porosity throughout

Dolomite- Tan, F-Med XLN, dense, well cemented, poorly developed, mostly consistant XLN w/ sctrd secondary porosity, tight

RTD 3675' (-1932) LTD 3677' (-1934) @ 06:31 2/18/2013



CTCH SURVEY TOH FOR LOG

ALLIED OIL & GAS SERVICES, LLC

059352

Federal Tax I.D.# 20-5975604

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend, KS

DATE <u>2-12-13</u>	SEC. <u>12</u>	TWP. <u>22S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>Brown</u>	WELL # <u>1-12</u>	LOCATION <u>Ike & Joe's 13E</u>		COUNTY <u>Rea</u>	STATE <u>KS</u>		
OLD OR <u>(NEW)</u> (Circle one)		Sinto				201	7.3

CONTRACTOR Sterling Drilling #4

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 5 5/8 DEPTH 219.82

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20 lb

PERFS.

DISPLACEMENT 1270 bbls

EQUIPMENT

OWNER

CEMENT

AMOUNT ORDERED 250 gks class A

34.11 24 gal VLF

COMMON	<u>250</u>	@ <u>17.90</u>	<u>4,475.00</u>
POZMIX		@	
GEL	<u>5</u>	@ <u>23.40</u>	<u>117.00</u>
CHLORIDE	<u>9</u>	@ <u>64.00</u>	<u>576.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>270.3</u>	@ <u>2.48</u>	<u>670.34</u>
MILEAGE	<u>12.35</u>	@ <u>40</u>	<u>494.00</u>
		@ <u>2.60</u>	<u>32.00</u>
			<u>7.122.24</u>

PUMP TRUCK CEMENTER Dustin Chambers 1

366 HELPER Charles Finyon 3

BULK TRUCK

341 DRIVER Karen Weigand 3

BULK TRUCK

DRIVER

REMARKS:

Break circulation with Big tool

Run 5bbls Freshwater Ahead

Mix 250 gks class A 3 1/2 gal VLF

Shot Down the lease plug

Displace 1270 bbls Freshwater & gelatin

Report in Call Log

Plug Down - 10:45 pm

CHARGE TO: Shelby Resources

STREET _____

CITY _____ STATE _____ ZIP _____

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.

PRINTED NAME X Larry S. Salage

SIGNATURE X Larry S. Salage

Thank You

494

SERVICE

DEPTH OF JOB 217

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE Home 40 @ 7.70 308.00

MANIFOLD Home 40 @ 4.40 176.00

TOTAL 1,996.25

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

SALES TAX (if Any) 377.26

TOTAL CHARGES 9,118.99

DISCOUNT 1,823.77 IF PAID IN 30 DAYS

7,295.19

ALLIED OIL & GAS SERVICES, LLC

059355 ✓

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

DATE 2-18-13 SEC. 12 TWP. 22s RANGE 101 CALLED OUT 2-18-13 ON LOCATION 7:00pm JOB START 12:30 AM JOB FINISH 2-19-13
LEASE Blown WELL # 1-12 LOCATION Ike & Joe's 13E Sierra COUNTY Revo STATE KS
OLD OR NEW (Circle one)

Great Bend, KS
2-03
7.3
bill

CONTRACTOR STERLING DRILLING # 4
TYPE OF JOB Rotary Plug
HOLE SIZE 12 1/2 T.D. _____
CASING SIZE 5 5/8 DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE 1 1/2 DEPTH 3594
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. All
PERFS. _____
DISPLACEMENT Freshwater
EQUIPMENT _____

OWNER _____
CEMENT AMOUNT ORDERED 215 sks 60% RECLASS A
40% 202 44 gal 14.00
COMMON 129 @ 17.90 2,309.10
POZMIX 86 @ 9.35 804.10
GEL 7 @ 23.40 163.80
CHLORIDE @ _____
ASC @ _____
Plas seal 54 @ 2.97 160.38
@ _____
@ _____
@ _____
@ _____
@ _____
@ _____
HANDLING 230.26 @ 2.48 571.84
MILEAGE 9.62 x 40% 2.60 1,800.68
TOTAL 5,009.10

PUMP TRUCK # 366 CEMENTER Dustin Chambers 1
HELPER Kevin Eddy 2
BULK TRUCK # 341 DRIVER Charles Kinison 1
BULK TRUCK # _____ DRIVER _____

- REMARKS:
Fill hole with Rig mud
1. 3594-3545
2. 1302-3545
3. 550-3545
4. 230-3545
5. 60-2545
6. LH 309Ks
7. MH-209Ks Plug Down 1:15 AM
2-19-13

384.87
SERVICE

CHARGE TO: Shelby Resources
STREET _____
CITY _____ STATE _____ ZIP _____

DEPTH OF JOB 3594
PUMP TRUCK CHARGE 2600.42
EXTRA FOOTAGE @ _____
MILEAGE Hum 40 @ 7.70 308.00
MANIFOLD @ _____
Hum 40 @ 4.40 176.00
@ _____

TOTAL 3,084.42

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.

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

PRINTED NAME X Lamy Saloqa
SIGNATURE X Lamy Saloqa
Thank You!!

TOTAL _____
SALES TAX (if Any) 590.82
TOTAL CHARGES 8,093.51
DISCOUNT 1,618.21 IF PAID IN 30 DAYS
6,474.85

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

July 31, 2013

Chris Gottschalk
Shelby Resources LLC
2717 Canal Blvd.
SUITE C
HAYS, KS 67601

Re: ACO1
API 15-155-21643-00-00
Brown 1-12
SW/4 Sec.12-22S-10W
Reno 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,
Chris Gottschalk

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

August 02, 2013

Chris Gottschalk
Shelby Resources LLC
2717 Canal Blvd.
SUITE C
HAYS, KS 67601

Re: ACO-1
API 15-155-21643-00-00
Brown 1-12
SW/4 Sec.12-22S-10W
Reno County, Kansas

Dear Chris Gottschalk:

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 02/12/2013 and the ACO-1 was received on July 31, 2013 (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