



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: _____



1060074

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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Scale 1:240 Imperial

Well Name: # 1-21 Airport
Surface Location: 1716'FSL, 1950'FEL, sec 21-21S-16W
Bottom Location:
API: 15-145-21629-00-00
License Number:
Spud Date: 5/16/2011 Time: 6:15 PM
Region: Pawnee County
Drilling Completed: 5/24/2011 Time: 1:13 PM
Surface Coordinates: 561783 & 1832295
Bottom Hole Coordinates:
Ground Elevation: 2010.00ft
K.B. Elevation: 2021.00ft
Logged Interval: 3000.00ft To: 3980.00ft
Total Depth: 3980.00ft
Formation: Arbuckle
Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Captiva II, LLC
Address: 445 Union Blvd., Suite 208
Lakewood, CO 80228
303-274-4682
Contact Geologist: Janine Sturdavant
Contact Phone Nbr: 303-907-2209
Well Name: # 1-21 Airport
Location: 1716'FSL, 1950'FEL, sec 21-21S-16W API: 15-145-21629-00-00
Pool: Larned
State: Kansas Country: USA

LOGGED BY



Charlie Sturdavant Consulting

Company: Charlie Sturdavant Consulting
Address: 920 12th Street
Golden, CO 80401
Phone Nbr: 303-907-2295----303-384-9481
Logged By: Geologist Name: Charlie Sturdavant

NOTES

The Captiva II #1-21 Airport well TD'd in the Arbuckle Group. A Tooke DAQ gas detector was employed during the penetration of all prospective formations. Gas kicks were minimal, but are noted on the gas curve chart of this geolog. The only sample show noted in this well was in the Simpson sand/siltstone section. DST #1 covered the top 13 feet of the Arbuckle, as well as the Marmaton, Conglomerate, and Simpson sections, and yielded only water. Based on the negative DST and on log analysis, it was determined by all parties involved, that this well should be plugged and abandoned.

The dry samples were saved and will be available for review at the Kansas Geological Survey well sample library, located in Wichita, Kansas.

Respectfully submitted,
Charlie Sturdavant
Consulting Geologist

Well Comparison Sheet

Charlie Sturdavant Consulting

WELL COMPARISON SHEET

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Captive II #1-21 Airport 1716' FSL & 1950' FEL Sec. 21, T21S R16W					Allen Drilling # 1-28 Hewson S/2-NE-SW Sec.28, T21S R16W				Allen Drilling # 1-21 Boyd C-E/2-SE-NE Sec. 21, T21S R16W			
2021 KB					2028 KB		Structural Relationship		1990 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	1005	1016	1005	1016	1007	1021	-5	-5	979	1011	5	5
Tarkio	2842	-821	2841	-820	2841	-813	-8	-7	2811	-821	0	1
Elmont	2900	-879	2900	-879	2900	-872	-7	-7	2868	-878	-1	-1
Howard	3046	-1025	3045	-1024	3048	-1020	-5	-4	3014	-1024	-1	0
Topeka	3126	-1105	3122	-1101	3125	-1097	-8	-4	3093	-1103	-2	2
Heebner	3401	-1380	3401	-1380	3407	-1379	-1	-1	3363	-1373	-7	-7
Toronto	3419	-1398	3416	-1395	3427	-1399	1	4	3384	-1394	-4	-1
Douglas	3435	-1414	3433	-1412	3443	-1415	1	3	3398	-1408	-6	-4
Brown Lime	3490	-1469	3492	-1471	3506	-1478	9	7	3459	-1469	0	-2
Lansing	3505	-1484	3502	-1481	3516	-1488	4	7	3472	-1482	-2	1
Stark Shale	3712	-1691	3706	-1685	3707	-1679	-12	-6	3672	-1682	-9	-3
Base KC	3762	-1741	3758	-1737	3758	-1730	-11	-7	3718	-1728	-13	-9
Marmaton	3782	-1761	3770	-1749	3780	-1752	-9	3	3735	-1745	-16	-4
Conglomerate	3800	-1779	3786	-1765	3794	-1766	-13	1	3754	-1764	-15	-1
Simpson Shale		2021	3812	-1791	3806	-1778		-13	3785	-1795		4
Arbuckle	3850	-1829	3847	-1826	3854	-1826	-3	0	3842	-1852	23	26
Total Depth	3980	-1959	3980	-1959	4025	-1997	38	38	4123	-2133	174	174

Daily Drilling Report

Charlie Sturdavant Consulting

DAILY DRILLING REPORT

Company: Charlie Sturdavant Consulting
920 12th Street
Golden, CO 80401

Well: #1-21 Airport
Location: 1716' FSL & 1950' FEL
Sec. 21 T21S R16W
Pawnee County, KS

Captive II Office: 303-274-4682
Jim Waechter Cell: 303-478-3388

Wellsite Geologist: Charlie Sturdavant
Cell: (303) 907-2295
Office: (303) 384-9481

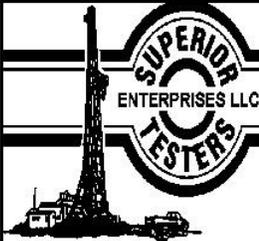
Elevation: 2021' KB 2010' GL
Field: Wildcat
API No.: 15-145-21629-0000
Surface Casing: 8 5/8" set @ 1038' KB

Drilling Contractor: Sterling Drilling Rig #2 620-388-5651, Tool Pusher: Shane Downs, cell: 620-388-3474

DATE	7:00 AM DEPTH	REMARKS
5/16/2100	0 ft.	Moving in and rigging up.
5/17/2011	657 ft.	Drilling ahead with a 12 1/4" long tooth bit.
5/18/2011	770 ft.	Trip out of hole to change liner on mud pump.
5/19/2011	1043 ft.	Set surface casing at 1043'. Waiting on cement to set. 8-5/8" Surface casing set at 1038' KB.

5/20/2011	1907 ft.	Drilling ahead.
5/21/2011	2706 ft.	Drilling ahead.
5/22/2011	3345 ft.	Drilling ahead.
5/23/2011	3755 ft.	Drilling ahead.
5/24/2011	3860 ft.	Tripping back into hole after DST #1: rec. 500' Muddy water, 2000' water.
5/25/2011	3980 ft.	Completed logging operations @ 0100 hrs. Geologist off location @ 0200 hrs.

Drill Stem Test # 1, 3782'-3860'

	DRILL STEM TEST REPORT	
	Shelby Resources L.L.C.	Airport #1-21
	Canal Blvd 2717 Suite C Hays, Kansas 67601	21-21s-16w Pawnee
ATTN: Charlie Sturdavant	Job Ticket: 16499	DST#: 1
	Test Start: 2011.05.24 @ 10:25:00	

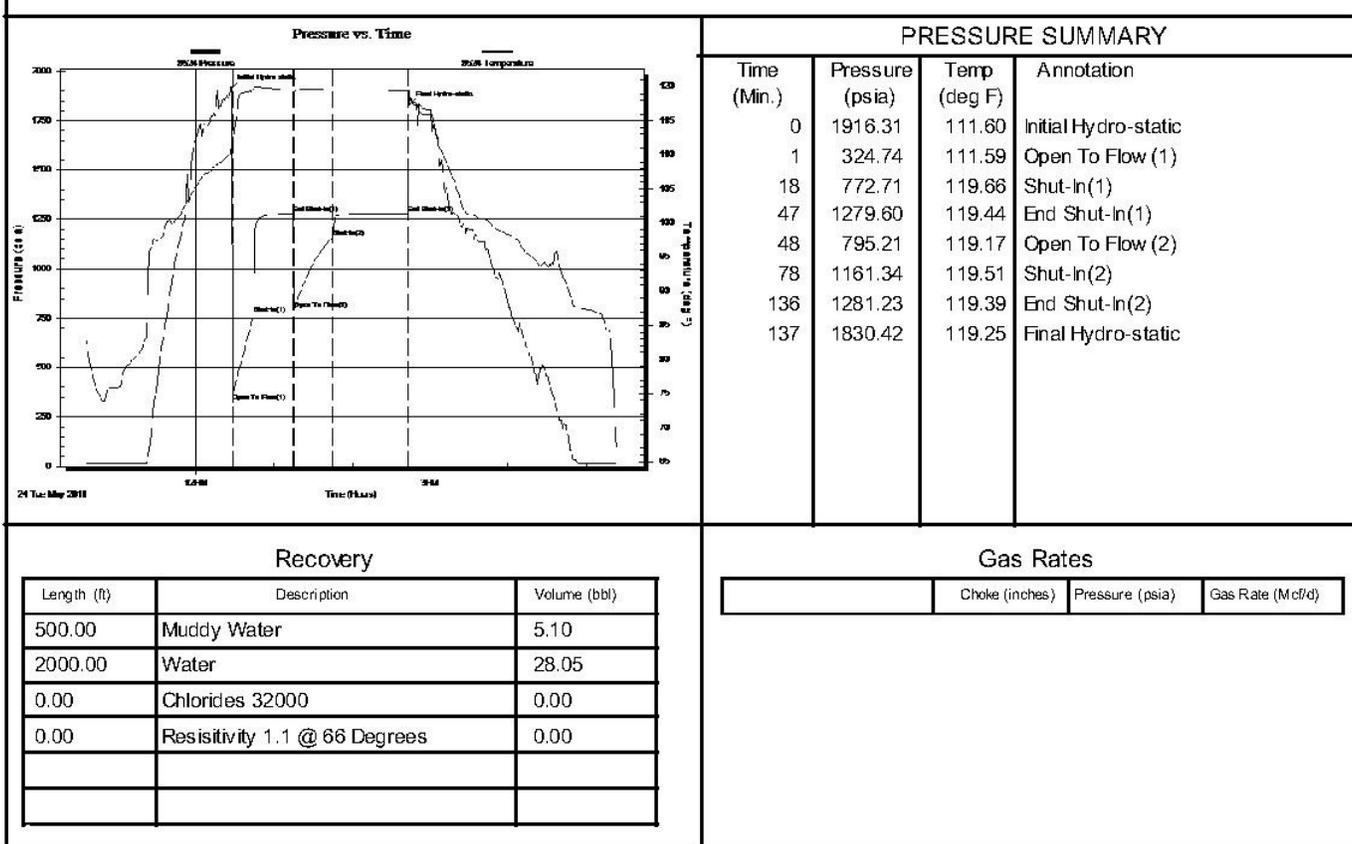
GENERAL INFORMATION:

Formation:	Simpson-Arbuckle		Test Type:	Conventional Bottom Hole (Initial)	
Deviated:	No	Whipstock:	ft (KB)	Tester:	Gene Budig
Time Tool Opened:	00:00:00		Unit No:	3335-42	
Time Test Ended:	00:00:00		Reference Elevations:	2021.00 ft (KB)	2010.00 ft (CF)
Interval:	3782.00 ft (KB) To 3860.00 ft (KB) (TVD)		KB to GR/CF:	11.00 ft	
Total Depth:	3860.00 ft (KB) (TVD)				
Hole Diameter:	7.88 inches		Hole Condition:	Fair	

Serial #: 8524	Inside				
Press@RunDepth:	1281.23 psia @	3855.53 ft (KB)	Capacity:	5000.00 psia	
Start Date:	2011.05.24	End Date:	2011.05.24	Last Calib.:	2011.05.24
Start Time:	10:36:00	End Time:	17:24:00	Time On Btm:	2011.05.24 @ 12:27:30
				Time Off Btm:	2011.05.24 @ 14:44:00

TEST COMMENT:

1st Opening	15 Minutes-Good blow	built to the bottom of a 5 gallon bucket in 1 minute and decreased
1st Shut-in	30 Minutes-No blow	back
2nd Opening	30 Minutes-Good blow	built to the bottom of a 5 gallon bucket in 1 minute and decreased
2nd Shut-in	60 Minutes-No blow	back



Length (ft)	Description	Volume (bbl)
500.00	Muddy Water	5.10
2000.00	Water	28.05
0.00	Chlorides 32000	0.00
0.00	Resistivity 1.1 @ 66 Degrees	0.00

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

Superior Testers Enterprises LLC

Ref. No: 16499

Printed: 2011.05.24 @ 06:36:11

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 561783
 E/W Co-ord: 1832295

CONTRACTOR

Contractor: Sterling Drilling Company
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 5/16/2011 Time: 6:15 PM
 TD Date: 5/24/2011 Time: 1:13 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2021.00ft Ground Elevation: 2010.00ft
 K.B. to Ground: 11.00ft

ROCK TYPES

Congl	Lmst fw>	Carbon Sh	Ss
Dolsec	Shgy	shale, red	Sltst
Lmst fw<	shale, gry	Shcol	

ACCESSORIES

MINERAL	FOSSIL	STRAT./SED. STRUCTS	STRINGER
- Argillaceous	◇ Brachiopod	Stylolite	Conglomerate
⊥ Calcareous	⌒ Bryozoa		Dolomite
△ Chert White	○ Crinoids		Siltstone
▲ Chert, dark	♡ Echinoid		Shale
∟ Dolomitic	F Fossils < 20%		
∩ Glauconite	⊕ Fossilinid		
P Pyrite	○ Oolites		
	⊕ Oomoldic		

- Pellets
- Peloids
- × Sponge Spicules
- △ Spicules

OTHER SYMBOLS

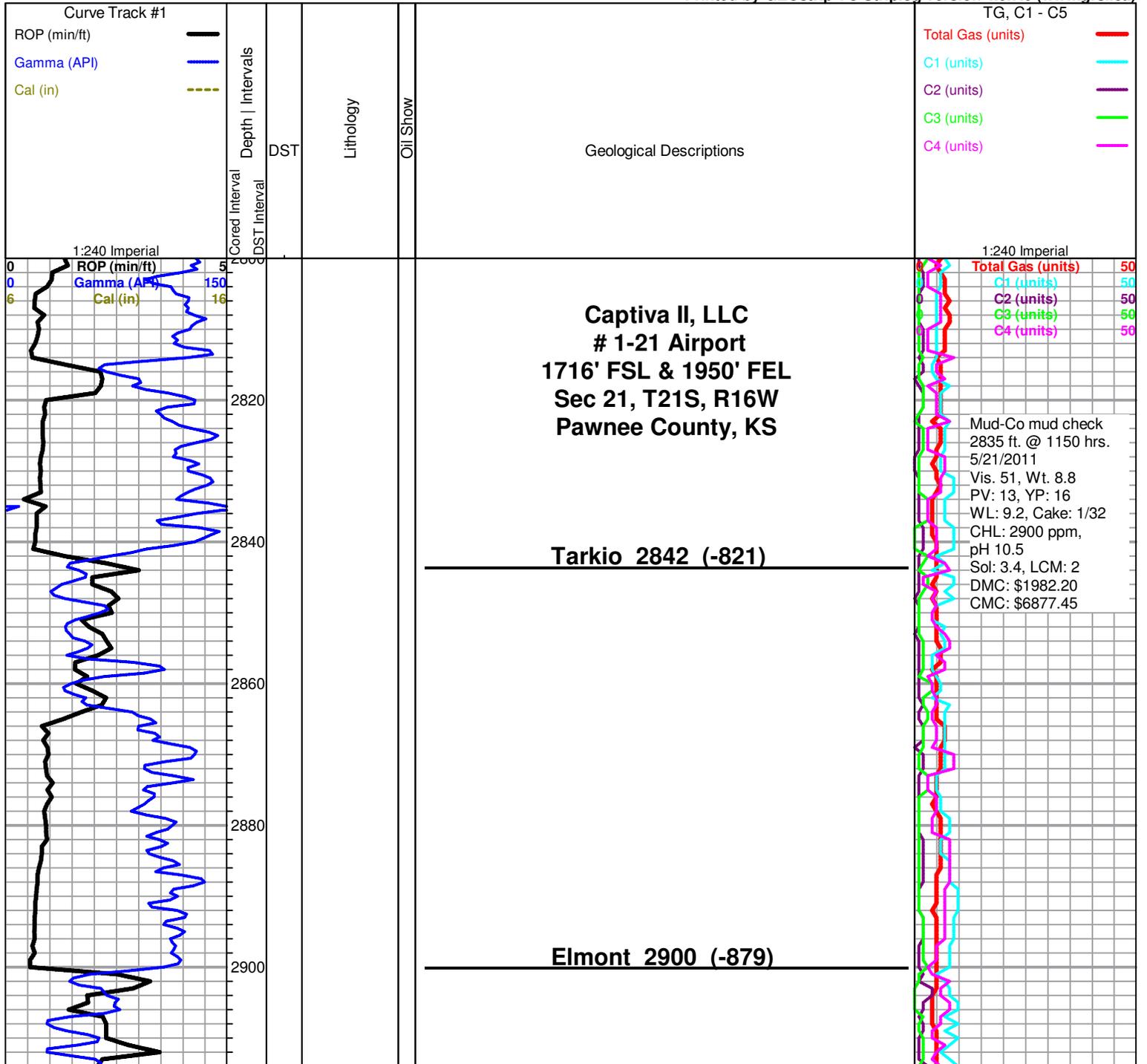
MISC

- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

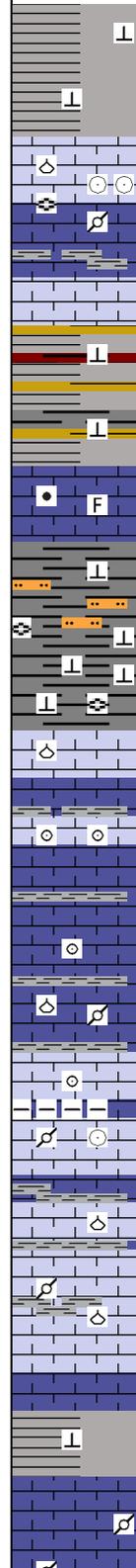
- DST Int
- DST alt

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



2920
2940
2960
2980
3000
3020
3040
3060
3080
3100
3120

ROP (min/ft) 5
Gamma (API) 150
Cal (tm) 16



Shale: gray, calcareous.

Limestone: gray to lt gray to tan, fossiliferous, fussulinids, pellets, brach., f-xln packstone to wackestone to mudstone.

20' samples start @ 3000'.

Shale: vari-colored, tan brown, gray, reddish-brn, maroon, calcareous. Also argillaceous, f-xln, ls.

Limestone: gray to tan, fossil debris, fuss., pellets, organic matter, fecal pelletoids, f- to micro-xln, packstone to wackestone.

Shale: reddish-tan, gray to dark gray, calcareous, fussulinids, micaceous, silty streaks,

Howard 3046 (-1025)

Limestone: tan to lt gray, arg lams., pelletal packstone, brach., flattened oolites, fossil debris, f-xln.

Oolitic grainstone, cream, thin, chalky matrix. Fair porosity, no shows.

Limestone: gray to brown, dark-colored, micro-xln matrix, fossiliferous, brach, free oolites, wackestone.

Limestone: lt gray to tan, f-xln, fossiliferous (crin, brach) to pelletal to oolite-bearing, grainstone to packstone. Tan micrite, argillaceous stringers.

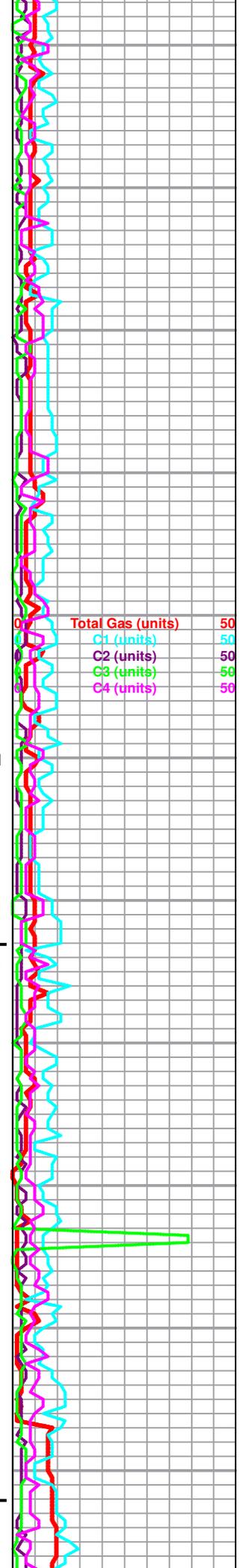
Limestone as above w/ shaley stringers.

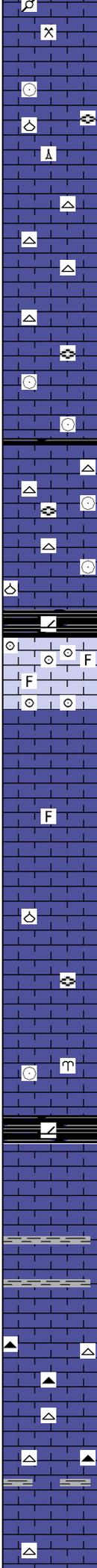
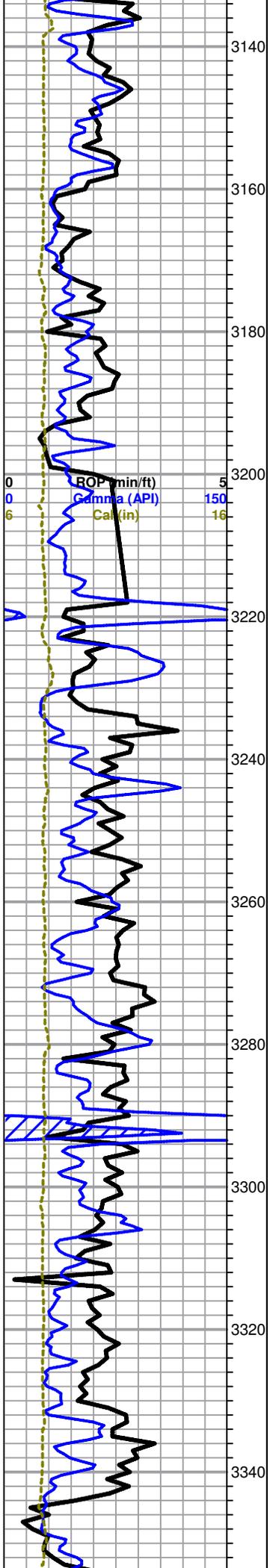
Shale: gray, calcareous, fossils.

Topeka 3126 (-1105)

Limestone: brown to lt gray, fossil frags, pellets, arg, f- to crypto-xln wackestone to mudstone., tight, no shows.

Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50





Limestone: lt gray to lt tan, f-xln matrix, fossils: brach, fuss, spicules, wackestone, becoming mudstone w/ depth.

Limestone: cream to lt gray, fossil frags, pellets, med-xln to micro-xln matrix, wackestone. Tr lt gray to white mottled, fossiliferous, vitreous chert.

Limestone as above, w/o chert, some is packstone. Tr black shale, carbonaceous, calcareous.

Limestone: cream to lt tan to lt gray, fossiliferous, crin., fuss., brach., mostly f-xln, wackestone, tr sparry calcite (re-crystallized), Chert: vitreous, lt gray to white to lt tan, mottled, fossiliferous. Tr black shale.

Shale: black, carbonaceous, calcareous.

Limestone: cream to lt tan to lt gray, oolitic/fossiliferous grainstone to lithographic micrite. Tight, no shows.

Limestone: light gray to lt tan, lithographic micrite, to sli foss wackestone, crypto- to micro-xln.

Limestone: vy lt gray, sli foss, fuss., brach., debris, in a vf-xln matrix, wackestone, dense & tight, no shows.

Limestone: as above w/ crinoids, bryozoans. Also lt gray micrite, sli lithographic.

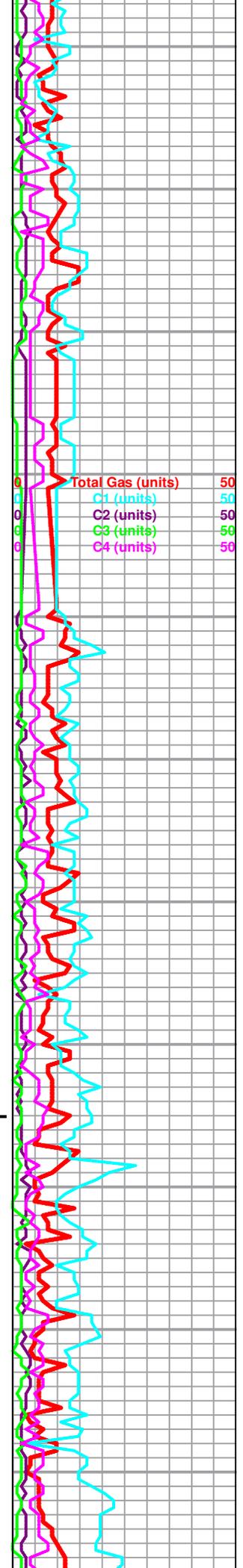
Queen Hill Shale 3290 (-1269)

Shale: black, carbonaceous, dolomitic.

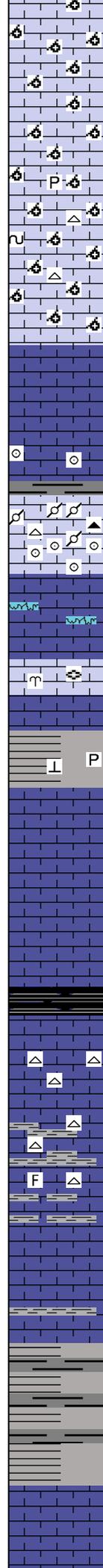
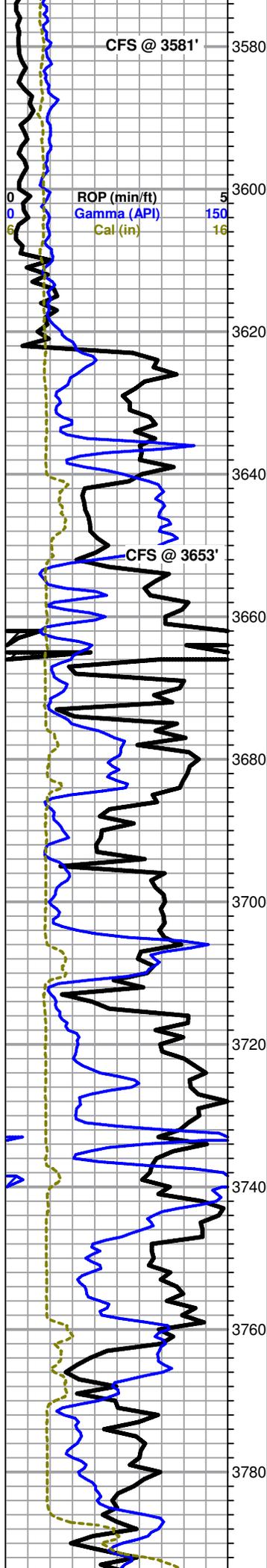
Limestone: lt gray, vy sli fossiliferous, crypto- to micro-xln, mudstone to wackestone. Some thin shale laminations.

Limestone as above w/ spicular, vitreous lt gray to gray chert.

Limestone as above w/ brown, granular, med-xln wackestone.



excellent comboidic porosity. Cores range from 0.2-1.0mm in dia. No aroma, no shows, no gas.



Tr pyrite, glauconite, lt gray, vitreous chert.

Limestone: lt gray micrite, crypto-xln, tight, no shows.

Dense, well-cemented oolites.

Limestone: tan to lt brown, pelletal, crinoidal packstone, f-xln matrix w/ little porosity. Chert: lt brown to lt gray to tan, vitreous, translucent.

Oolitic grainstone w/ good oomoldic porosity, but no shows.

Limestone: cream to tan, crypto-xln, sli lithographic (sparry calcite), tr stylolites, tight, no shows.

Limestone as above, w/ brown, fossiliferous, bryo, spicules, fuss, f-xln, packstone, no shows.

Limestone: cream, micrite, dense, tight, no shows.

Shale: gray to dark gray, pyritic, calc., hard for a shale.

Limestone: cream to lt tan, crypto-xln, sli lithographic, micrite. No porosity, no shows.

Stark Shale 3712 (-1691)

Shale: black, carbonaceous, dolomitic.

Limestone: cream to lt gray, crypto-xln micrite, sli fossiliferous, crinoids, tr stylolites. Chert: tan, spicular, vitreous, conchoidal fractures w/ sharp edges.

Limestone: brown, sli foss., argillaceous streaks, shaley laminations, wackestone. No porosity, no shows.

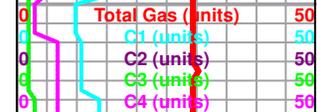
Limestone: cream to lt tan, crypto-xln micrite w/ a few sparry patches. tight, dense, no shows.

Shaley limestone gray to brown, f-xln, no shows.

Base Kansas City 3762 (-1741)

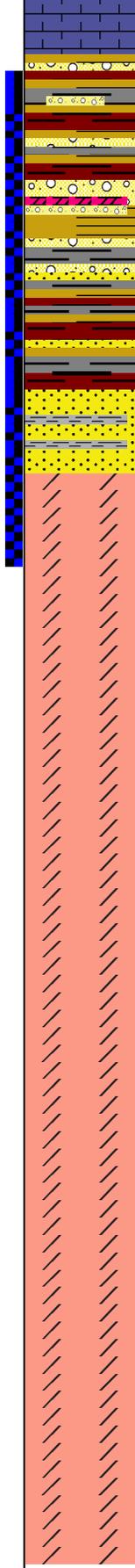
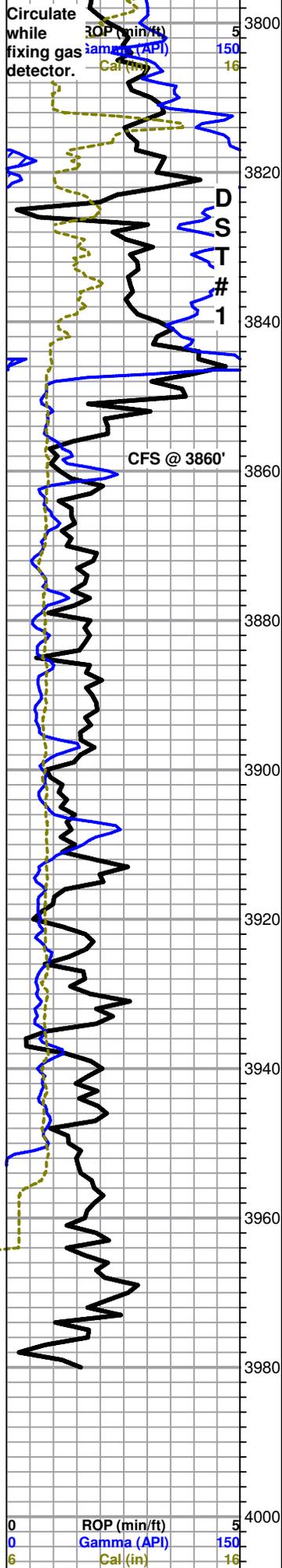
Marmaton 3782 (-1761)

Limestone: orange to mottled orange and white, f-xln, mudstone. Also lt tan micrite.



Mud-Co
mud check
3802 ft.
@ 1040
hrs.
5/23/2011
Vis 46, Wt.
9.2
PV 13, YP
13, pH 8.5
WL 9.2,
Cake 1/32
CHL: 9200
ppm
Sol: 5.9,
LCM: Tr
EMC

Switch the gas detector unit @



Conglomerate flooded the samples after circ.

Conglomerate section: maroon and mottled gray and maroon shale. Also lt gray, gray and lt greenish-gray shale, non-calc.

Tr of lt gray, f-xln, dolomite w/ red streaks (karst-type).

Shale conglomerate as above w/ olive drab shale.

airport#1-21Dst#1[1].pdf

As above, w/ f-gr individual sand fragments in the bottom of the tray, well-rounded, clear, glassy.

1.0 mm dia marcasite spheres. Shales as above. Same sand grains in the bottom of the tray. One small intact fragment of sandstone was found w/ spotty oil show, slow streaming cut, bright yellow fluor. Some frags w/ vfgr ss have dead oil flakes (gilsonite?) that cuts slowly.

Arbuckle 3850 (-1829)

60 min sample: dolomite, white, succrosic, arenaceous, no show of oil. Fair hydrocarbon aroma in sample cup. The Simpson sand oil show came from the 60 min sample.

The first two samples after the DST were all conglomerate cavings.

Dolomite: white to cream, med-xln, succrosic, 0.1-0.2mm rhombs, good inter-xln porosity, sli arenaceous (vfgr sand to silt, and minor clay), no shows. Mixed with f- to micro-xln micritic dolo.

Dolomite as above w/ white to clear, translucent chert. No Shows.

Dolomite: lt tan with a faint pinkish cast, succrosic (0.1-0.4mm rhombs), good inter-xln porosity, no shows.

Dolomite as above, but lt tan in color. No shows.

Dolomite: cream to lt tan, succrosic, some frags with well-rounded, fgr sand grains. No shows.

Dolomite as above, but some fragments were originally oolitic ls. w/ round vugs and ghost oolites. No shows.

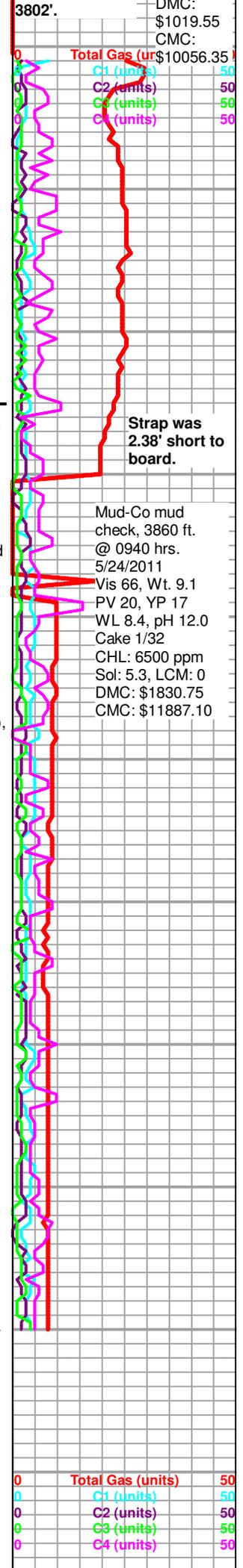
Dolomite, tan to cream, f- to med-xln, succrosic. No shows.

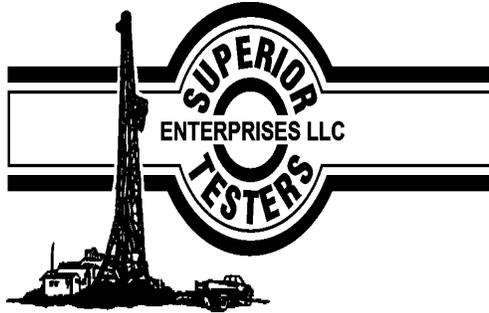
Tr gray to tan chert, vitreous, oolitic in parts.

RTD 3980' @ 1313 hrs.

Superior Well Services Logged TD 3980 ft.
Complete logging operations @ 0100 hrs.
5/25/2011

Geologist: Charlie Sturdavant off location
@ 0230 hrs 5/25/2011





DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C.**

Canal Blvd 2717 Suite C
Hays ,Kansas 67601

ATTN: Charlie Sturdavant

21-21s-16w Pawnee

Airport #1-21

Start Date: 2011.05.24 @ 10:25:00

End Date: 2011.05.24 @ 00:00:00

Job Ticket #: 16499 DST #: 1

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

Printed: 2011.05.24 @ 06:36:08

Shelby Resources L.L.C.

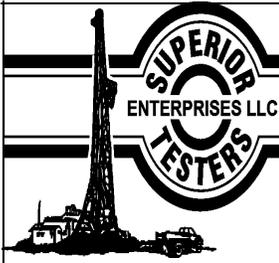
Airport #1-21

21-21s-16w Pawnee

DST # 1

Simpson-Arbuckle

2011.05.24



DRILL STEM TEST REPORT

Shelby Resources L.L.C.

Airport #1-21

Canal Blvd 2717 Suite C
Hays ,Kansas 67601

21-21s-16w Pawnee

Job Ticket: 16499

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2011.05.24 @ 10:25:00

GENERAL INFORMATION:

Formation: **Simpson-Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335-42

Interval: 3782.00 ft (KB) To 3860.00 ft (KB) (TVD)

Reference Elevations: 2021.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8524

Inside

Press @ Run Depth: 1281.23 psia @ 3855.53 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.24

End Date:

2011.05.24

Last Calib.:

2011.05.24

Start Time: 10:36:00

End Time:

17:24:00

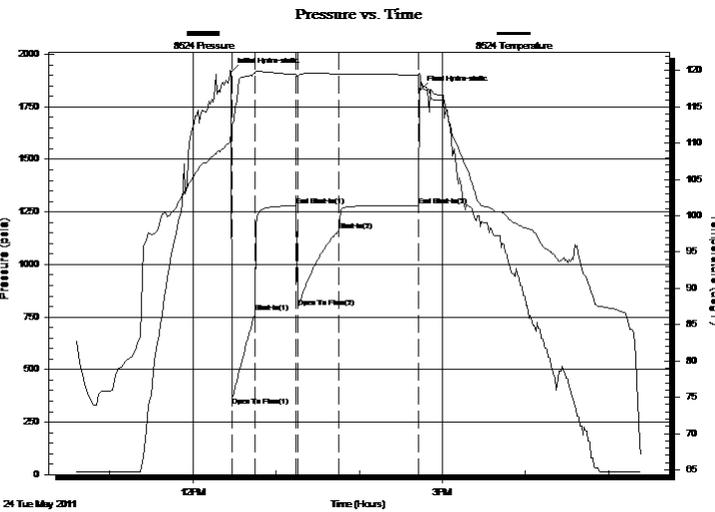
Time On Btm:

2011.05.24 @ 12:27:30

Time Off Btm:

2011.05.24 @ 14:44:00

TEST COMMENT: 1st Opening 15 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute and decreased
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute and decreased
 2nd Shut-In 60 Minutes-No blow back



PRESSURE SUMMARY

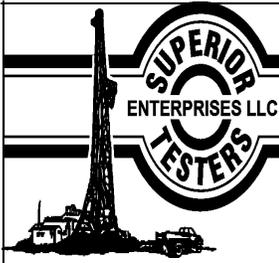
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1916.31	111.60	Initial Hydro-static
1	324.74	111.59	Open To Flow (1)
18	772.71	119.66	Shut-In(1)
47	1279.60	119.44	End Shut-In(1)
48	795.21	119.17	Open To Flow (2)
78	1161.34	119.51	Shut-In(2)
136	1281.23	119.39	End Shut-In(2)
137	1830.42	119.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Muddy Water	5.10
2000.00	Water	28.05
0.00	Chlorides 32000	0.00
0.00	Resistivity 1.1 @ 66 Degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources L.L.C.

Airport #1-21

Canal Blvd 2717 Suite C
Hays, Kansas 67601

21-21s-16w Pawnee

Job Ticket: 16499

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2011.05.24 @ 10:25:00

GENERAL INFORMATION:

Formation: **Simpson-Arbuckle**

Deviated: No Whipstock: (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335-42

Interval: 3782.00 ft (KB) To 3860.00 ft (KB) (TVD)

Reference Elevations: 2021.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8525 Outside

Press @ Run Depth: 1279.89 psia @ 3856.53 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.24

End Date: 2011.05.24

Last Calib.: 2011.05.24

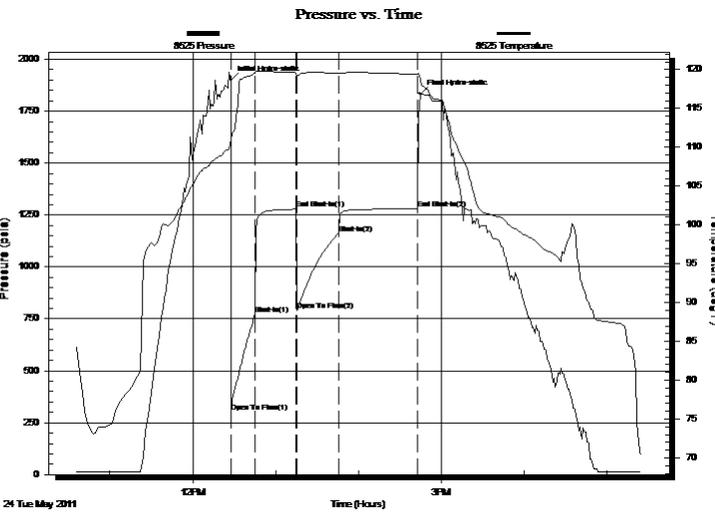
Start Time: 10:36:00

End Time: 17:24:30

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PRESSURE SUMMARY

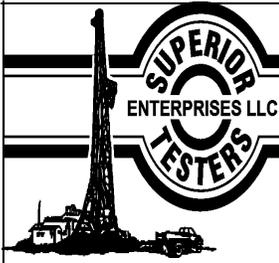
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1900.88	111.07	Initial Hydro-static
1	302.82	110.85	Open To Flow (1)
18	769.85	119.59	Shut-In(1)
48	1278.35	119.61	End Shut-In(1)
48	792.75	119.21	Open To Flow (2)
78	1160.05	119.52	Shut-In(2)
136	1279.89	119.37	End Shut-In(2)
137	1832.45	118.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Muddy Water	5.10
2000.00	Water	28.05
0.00	Chlorides 32000	0.00
0.00	Resistivity 1.1 @ 66 Degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources L.L.C.

Airport #1-21

Canal Blvd 2717 Suite C
Hays ,Ka nsas 67601

21-21s-16w Pawnee

Job Ticket: 16499

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2011.05.24 @ 10:25:00

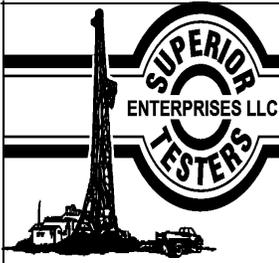
Tool Information

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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:	95000.00 lb
			<u>Total Volume: 50.81 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3782.00 ft			Final	82000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	77.53 ft				
Tool Length:	106.53 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			3758.00	
Hydraulic Tool	5.00			3763.00	
Jars	7.00			3770.00	
Safety Joint	2.00		Fluid	3772.00	
Packer	5.00			3777.00	29.00 Bottom Of Top Packer
Packer	5.00			3782.00	
Anchor	2.00			3784.00	
Change Over Sub	0.75		Inside	3784.75	
Drill Pipe	64.03			3848.78	
Change Over Sub	0.75			3849.53	
Anchor	5.00			3854.53	
Recorder	1.00	8524	Inside	3855.53	
Recorder	1.00	8525	Outside	3856.53	
Bull Plug	3.00			3859.53	77.53 Bottom Packers & Anchor

Total Tool Length: 106.53



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C.

Airport #1-21

Canal Blvd 2717 Suite C
Hays ,Ka nsas 67601

21-21s-16w Pawnee

Job Ticket: 16499

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2011.05.24 @ 10:25:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 9200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	Muddy Water	5.101
2000.00	Water	28.055
0.00	Chlorides 32000	0.000
0.00	Resisitvity 1.1 @ 66 Degrees	0.000

Total Length: 2500.00 ft Total Volume: 33.156 bbl

Num Fluid Samples: 0

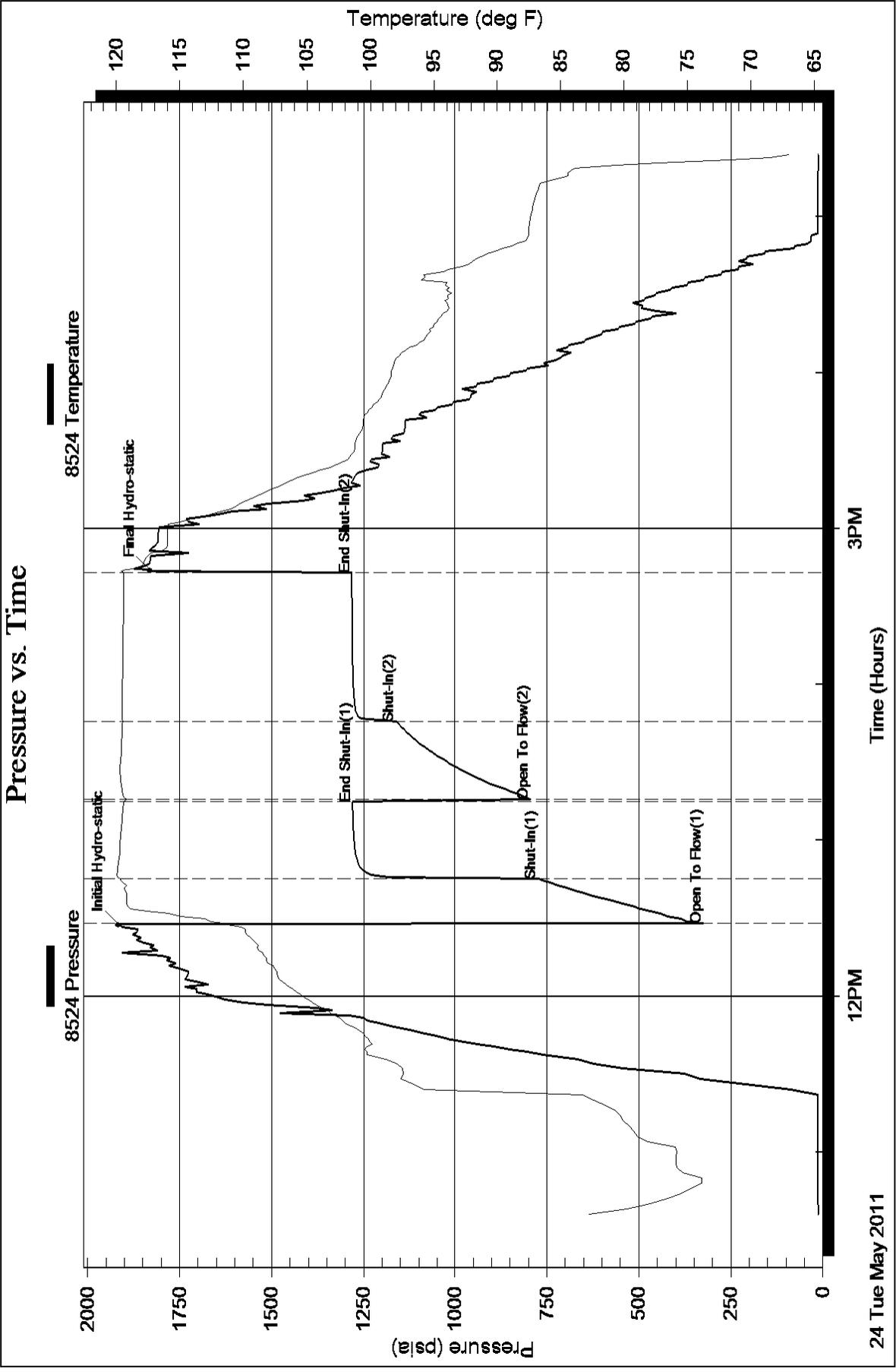
Num Gas Bombs: 0

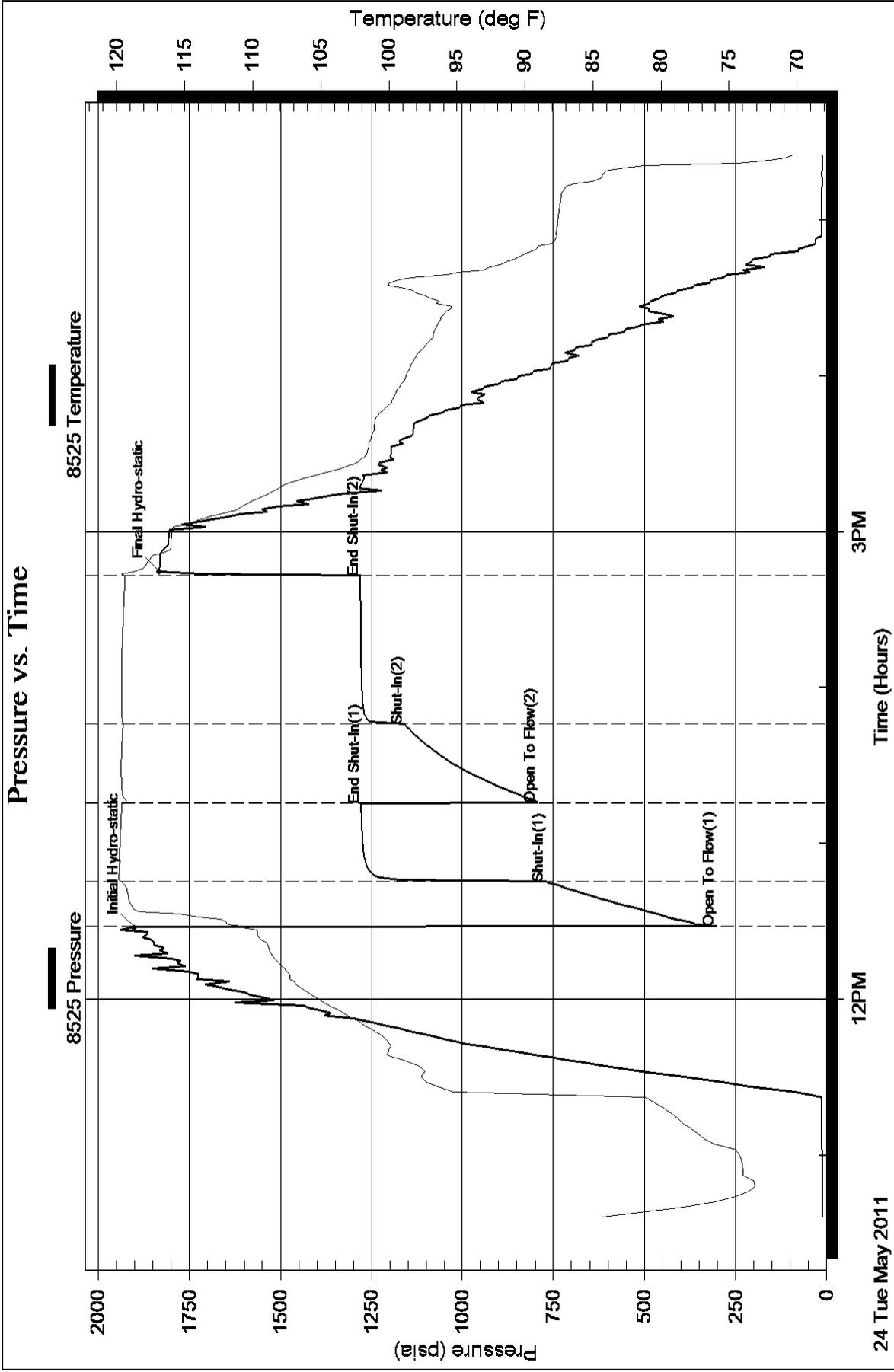
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





ALLIED CEMENTING CO., LLC. 038808

Federal Tax I.D.# 20-5975804

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
G-east Bend KS

DATE <u>5-18-11</u>	SEC. <u>21</u>	TWP. <u>21S</u>	RANGE <u>16W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>5:45 AM</u>
LEASE <u>Air Post</u>	WELL # <u>1-21</u>	LOCATION <u>hauled US 1 East To 100 RD</u>			COUNTY <u>Rawnee</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		LOCATION <u>North To ORD 1/2 west North To</u>					

CONTRACTOR Stirling Rig 2

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>1043</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1041</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>900</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.87</u>
CEMENT LEFT IN CSG. <u>42.87</u>	
PERFS.	
DISPLACEMENT <u>63.50</u>	

EQUIPMENT

PUMP TRUCK # <u>366</u>	CEMENTER <u>Wayne</u>
	HELPER <u>Greg</u>
BULK TRUCK # <u>344-170</u>	DRIVER <u>Trent</u>
BULK TRUCK #	DRIVER

OWNER Shelby Resources

CEMENT

AMOUNT ORDERED 4005x 60/40 3%cc + 2% Gel + 1/4 Flo seal

COMMON <u>240</u>	@ <u>16.25</u>	<u>3900.00</u>
POZMIX <u>160</u>	@ <u>8.50</u>	<u>1360.00</u>
GEL <u>7</u>	@ <u>21.25</u>	<u>148.75</u>
CHLORIDE <u>13</u>	@ <u>58.20</u>	<u>756.60</u>
ASC	@	
<u>Flo seal 100</u>	@ <u>2.70</u>	<u>270.00</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>424</u>	@ <u>2.25</u>	<u>954.00</u>
MILEAGE <u>424 x 17 x .11</u>		<u>792.88</u>
TOTAL		<u>8,182.23</u>

REMARKS:

Pipe on Bottom Break circulation with Rig mud shut down Drop Ball circulated Ball Threw Mix 4005x 60/40 + 3%cc + 2% Gel + 1/4 flo seal Shut Down Release Plug Displace 63.50 Bbls fresh water hand plug at 900 psi. Release and held. wash up Rig Down

SERVICE

DEPTH OF JOB <u>1041</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE <u>700</u>	@ <u>.95</u>	<u>665.00</u>
MILEAGE <u>34</u>	@ <u>7.00</u>	<u>238.00</u>
MANIFOLD	@	
<u>light truck 34</u>	@ <u>4.00</u>	<u>136.00</u>
	@	

CHARGE TO: Shelby Resources

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2164.00

PLUG & FLOAT EQUIPMENT

<u>1 GS</u>	@ <u>394.00</u>	<u>394.00</u>
<u>1 Rubber Plug</u>	@ <u>112.00</u>	<u>112.00</u>
<u>1 Air insert</u>	@ <u>382.00</u>	<u>382.00</u>

To Allied Cementing Co., LLC.

ALLIED CEMENTING CO., LLC. 038750

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Careat Bend KS

DATE <u>5-25-11</u>	SEC. <u>21</u>	TWP. <u>21S</u>	RANGE <u>16W</u>	CALLED OUT	ON LOCATION	JOB START <u>1030am</u>	JOB FINISH <u>1130am</u>
LEASE <u>Artpart</u>	WELL # <u>1-21</u>	LOCATION <u>Larned KS East side of</u>			COUNTY <u>Pawnee</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>Artpart</u>				

CONTRACTOR Scheeling #2

TYPE OF JOB Rotary plug

HOLE SIZE 2 7/8 T.D. 38553981

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3855

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT Fresh Water / Reg mud

EQUIPMENT _____

OWNER Shelby Resources

CEMENT

AMOUNT ORDERED 210 62 60/40 4% 0

gel 1/4 Flo Seal

COMMON	<u>126</u>	@	<u>16.25</u>	<u>2047.50</u>
POZMIX	<u>84</u>	@	<u>8.50</u>	<u>714.00</u>
GEL	<u>7</u>	@	<u>21.25</u>	<u>148.75</u>
CHLORIDE		@		
ASC		@		
<u>Flo Seal</u>	<u>52.9#</u>	@	<u>2.70</u>	<u>140.90</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>219</u>	@	<u>2.25</u>	<u>492.75</u>
MILEAGE	<u>219 x 17 x .11</u>			<u>409.53</u>
TOTAL				<u>3.952.93</u>

PUMP TRUCK CEMENTER Bob Kelly Waxue

366 HELPER Greg R.

BULK TRUCK DRIVER Trent H.

341

BULK TRUCK DRIVER _____

REMARKS:

1st plug at 3855ft mix 50 50

2nd plug at 1080ft mix 50 50

3rd plug at 300ft mix 40 50

4th plug at 60ft mix 20 50

Rathole mix 30 50

Mousehole mix 20 50

Washing / Reg dam

CHARGE TO: Shelby Resources

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>3855</u>			
PUMP TRUCK CHARGE				<u>1250.00</u>
EXTRA FOOTAGE		@		
MILEAGE <u>Truck</u>	<u>34</u>	@	<u>7.00</u>	<u>238.00</u>
MANIFOLD		@		
<u>light Truck</u>	<u>34</u>	@	<u>4.00</u>	<u>136.00</u>
		@		
TOTAL				<u>1624.00</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		

To Allied Cementing Co., LLC.