



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1249606
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: _____



1249606

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Arkansas River Unit 1-3
Doc ID	1249606

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Radial Bond



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C

3-22s-16w Pawnee

445 Union Blvd Suite 208 Lakewood CO 80228

Arkansas River Unit

ATTN: Jeremy Schwartz

Job Ticket: 61894

DST#: 1

Test Start: 2014.12.12 @ 14:10:00

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:00

Time Test Ended: 22:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5-Great Bend-50

Interval: 3825.00 ft (KB) To 3864.00 ft (KB) (TVD)

Reference Elevations: 1999.00 ft (KB)

Total Depth: 3864.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6999 Outside

Press@RunDepth: 147.02 psig @ 3861.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.12.12 End Date: 2014.12.12

Last Calib.: 2014.12.13

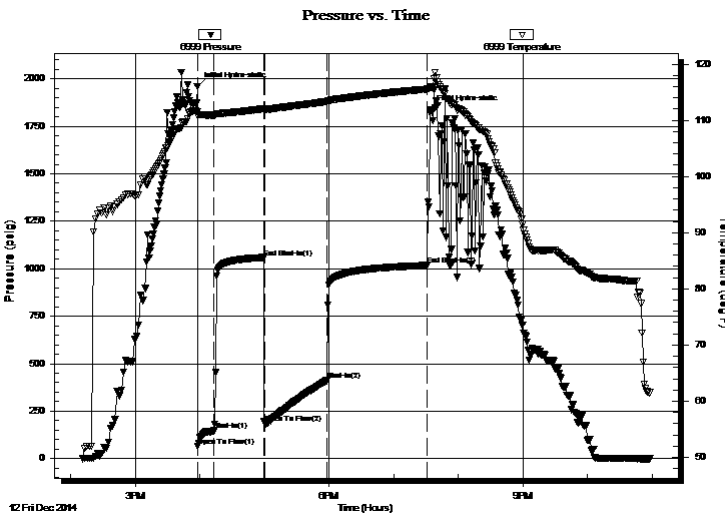
Start Time: 14:11:00 End Time: 22:57:30

Time On Btm: 2014.12.12 @ 15:57:30

Time Off Btm: 2014.12.12 @ 19:34:00

TEST COMMENT: IFP-15 Minutes-Strong blow built bottom of bucket in 3 minutes
 ISIP-45 Minutes-Blow back 8 inches
 FFP-60 Minutes-Strong blow built bottom of bucket in 3 minutes
 FSIP-90 Minutes-Blow back bottom of bucket

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.76	111.50	Initial Hydro-static
1	63.82	110.78	Open To Flow (1)
16	147.02	110.92	Shut-In(1)
62	1059.45	112.06	End Shut-In(1)
63	187.09	111.88	Open To Flow (2)
121	411.67	113.35	Shut-In(2)
213	1017.79	115.53	End Shut-In(2)
217	1839.23	115.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	Oil 90% 10% mud	1.62
720.00	Gas oil 10% gas 90% Oil	10.10
0.00	gas in pipe 3525	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C

3-22s-16w Pawnee

445 Union Blvd Suite 208 Lakewood CO 80228

Arkansas River Unit

Job Ticket: 61894

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.12.12 @ 14:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

43 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
330.00	Oil 90% 10% mud	1.623
720.00	Gas oil 10% gas 90% Oil	10.100
0.00	gas in pipe 3525	0.000

Total Length: 1050.00 ft Total Volume: 11.723 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

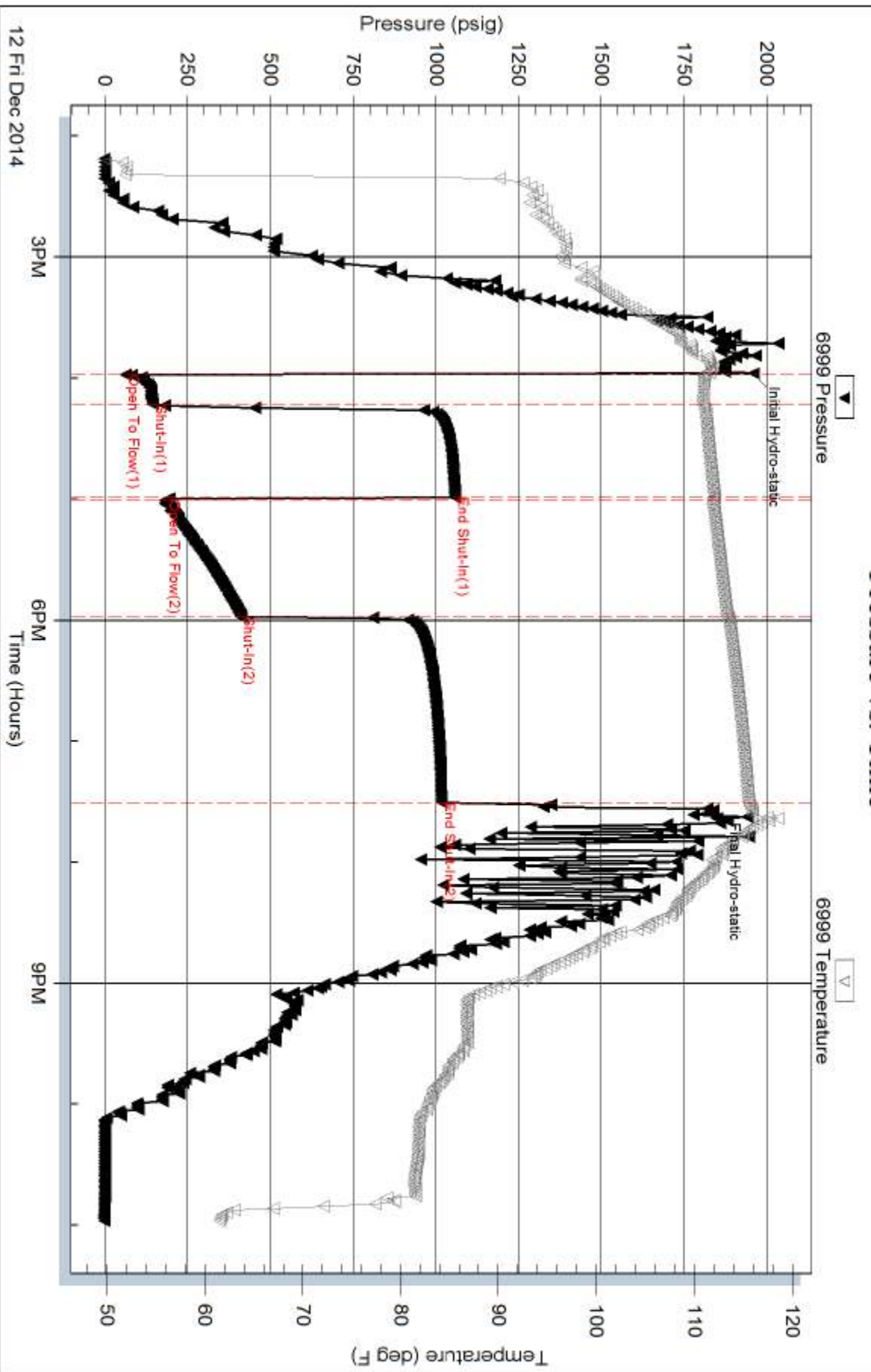
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Max gas gauged 9,200 gas gauge leveled out at 5,320

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C

3-22s-16w Pawnee

445 Union Blvd Suite 208 Lakewood CO 80228

Arkansas River Unit

ATTN: Jeremy Schwartz

Job Ticket: 61895

DST#: 2

Test Start: 2014.12.13 @ 11:45:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:48:00

Time Test Ended: 20:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5-Great Bend -50

Interval: 3897.00 ft (KB) To 3945.00 ft (KB) (TVD)

Reference Elevations: 1999.00 ft (KB)

Total Depth: 3945.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8400

Press @ Run Depth: 1138.95 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.12.13 End Date: 2014.12.13

Last Calib.: 2014.12.13

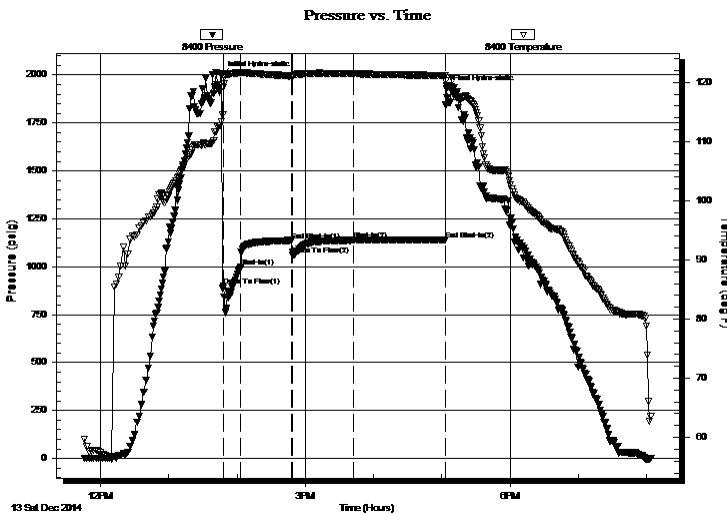
Start Time: 11:46:00 End Time: 20:04:00

Time On Btm: 2014.12.13 @ 13:46:30

Time Off Btm: 2014.12.13 @ 17:04:00

TEST COMMENT: IFP- 15 Minutes-Strong blow built bottom of bucket in 1 minute
 ISIP-45 Minutes-No blow back
 FFP-45 Minutes-Strong blow built bottom of bucket in 1 minute
 FSIP-90 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.22	113.34	Initial Hydro-static
2	899.77	119.15	Open To Flow (1)
17	997.00	121.63	Shut-In(1)
62	1137.36	121.06	End Shut-In(1)
63	1060.58	121.04	Open To Flow (2)
116	1138.95	121.50	Shut-In(2)
197	1141.35	121.16	End Shut-In(2)
198	1926.41	119.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2200.00	water	30.04

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C

3-22s-16w Pawnee

445 Union Blvd Suite 208 Lakewood CO 80228

Arkansas River Unit

ATTN: Jeremy Schwartz

Job Ticket: 61895

DST#: 2

Test Start: 2014.12.13 @ 11:45:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:48:00

Time Test Ended: 20:04:00

Interval: 3897.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5-Great Bend -50

Reference Elevations: 1999.00 ft (KB)

1986.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6999

Press @ Run Depth: 1141.97 psig @ ft (KB)

Start Date: 2014.12.13

End Date: 2014.12.13

Start Time: 11:46:00

End Time: 20:04:00

Capacity: 5000.00 psig

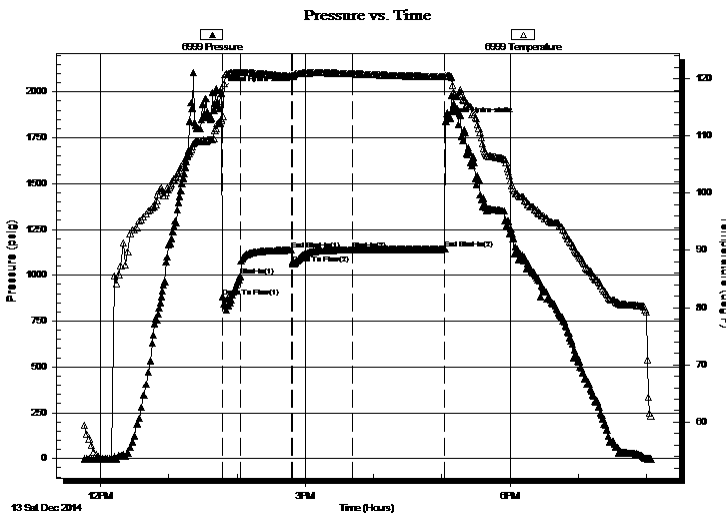
Last Calib.: 2014.12.13

Time On Btm: 2014.12.13 @ 13:46:00

Time Off Btm: 2014.12.13 @ 17:03:30

TEST COMMENT: IFP- 15 Minutes-Strong blow built bottom of bucket in 1 minute
 ISIP-45 Minutes-No blow back
 FFP-45 Minutes-Strong blow built bottom of bucket in 1 minute
 FSIP-90 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2006.70	112.77	Initial Hydro-static
2	880.27	113.44	Open To Flow (1)
17	997.55	121.06	Shut-In(1)
62	1137.60	120.44	End Shut-In(1)
63	1061.28	120.47	Open To Flow (2)
116	1138.63	120.86	Shut-In(2)
197	1141.97	120.33	End Shut-In(2)
198	1839.79	120.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2200.00	water	30.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C

3-22s-16w Pawnee

445 Union Blvd Suite 208 Lakewood CO 80228

Arkansas River Unit

ATTN: Jeremy Schwartz

Job Ticket: 61895

DST#: 2

Test Start: 2014.12.13 @ 11:45:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.15 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2200.00	water	30.040

Total Length: 2200.00 ft Total Volume: 30.040 bbl

Num Fluid Samples: 0

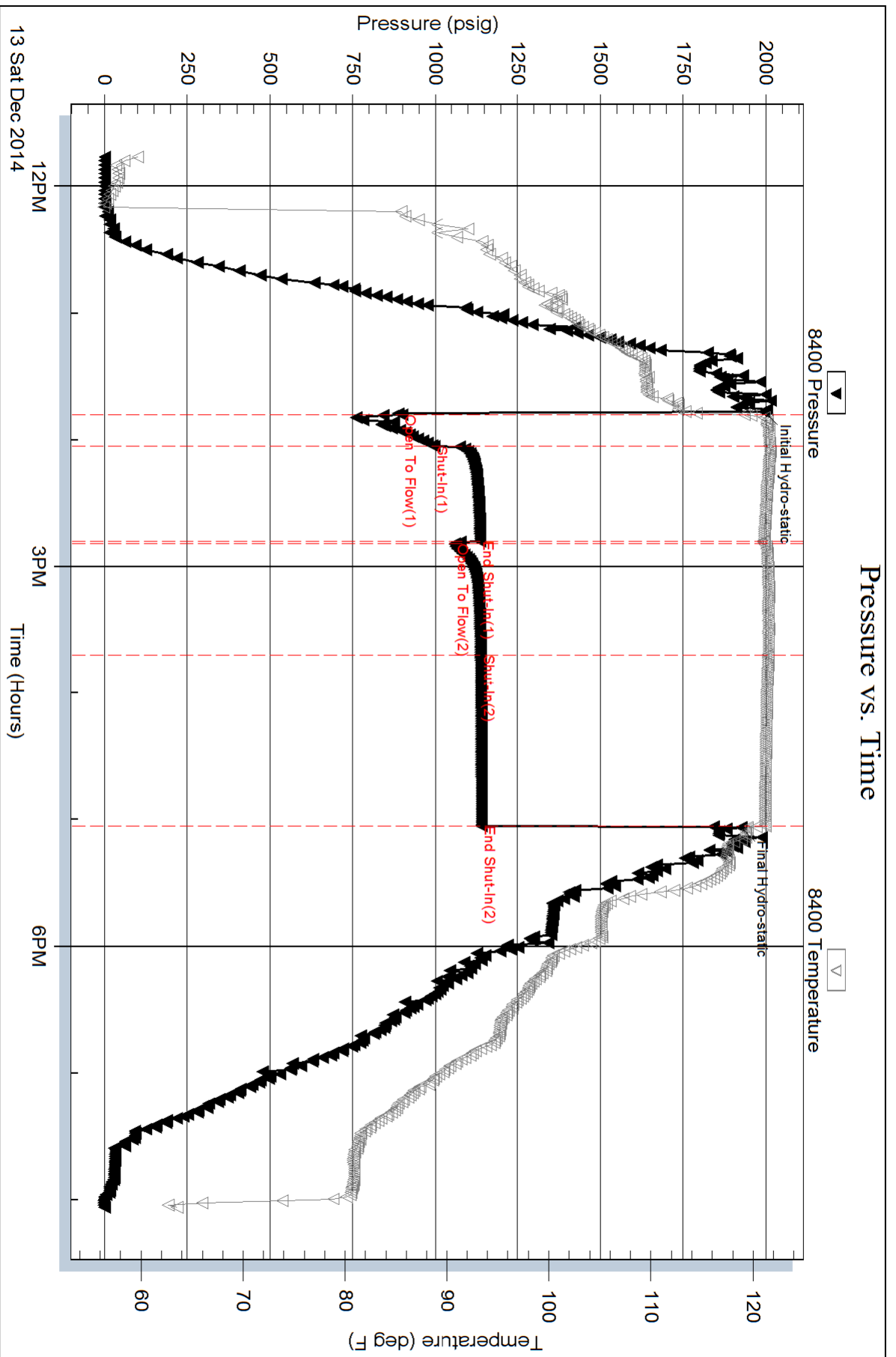
Num Gas Bombs: 0

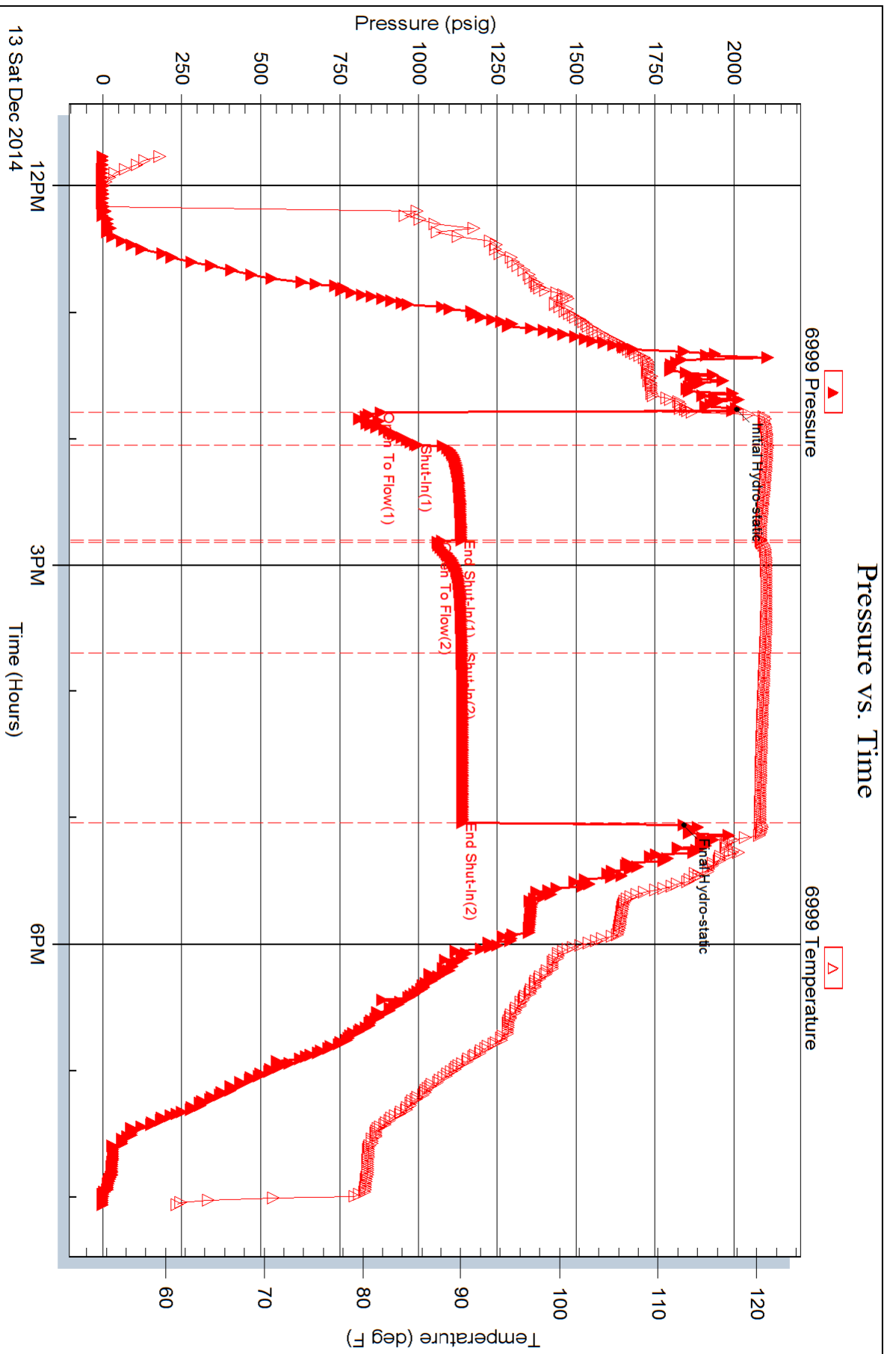
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: chlorides 48,000 resistivity .15@58 degrees







Scale 1:240 Imperial

Well Name: Arkansas River Unit #1-3
 Surface Location: 2206' FNL, 1382' FEL Sec. 3-22S-16W
 Bottom Location:
 API: 15-145-21792-00-00
 License Number:
 Spud Date: 12/8/2014 Time: 8:30 PM
 Region: Pawnee County
 Drilling Completed: 12/14/2014 Time: 8:15 AM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1986.00ft
 K.B. Elevation: 1999.00ft
 Logged Interval: 3200.00ft To: 4100.00ft
 Total Depth: 4100.00ft
 Formation: Simp/Cong Sand
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 445 Union Blvd, Suite 208
 Lakewood, CO 80228
 Contact Geologist: Janine Sturdavant
 Contact Phone Nbr: 303-907-2209 / 720-274-4682
 Well Name: Arkansas River Unit #1-3
 Location: 2206' FNL, 1382' FEL Sec. 3-22S-16W API: 15-145-21792-00-00
 Pool: Zook Field: Zook
 State: Kansas Country: USA

LOGGED BY



Company: Shelby Resources, LLC
 Address: 445 UNION BLVD. Suite 208
 LAKEWOOD, CO. 80228
 Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources, LLC Arkansas River Unit #1-3 was drilled to a total depth of 4100', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

2 DST's were conducted. The reports can be found at the bottom of this log.

Due to the DST results, gas kicks, sample shows, and log analysis, it was determined by all consenting parties to further test the well through production pipe. The dry samples were saved and will be available for further review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor: Sterling Drilling Co
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 12/8/2014 Time: 8:30 PM
 TD Date: 12/14/2014 Time: 8:15 AM

ELEVATIONS

K.B. Elevation: 1999.00ft
K.B. to Ground: 13.00ft

Ground Elevation: 1986.00ft

DATE	DEPTH	ACTIVITY
Thursday, December 11, 2014	3450'	Geologist Jeremy Schwartz on location @ 1730hrs, ~3450', Drlg ahead through Douglas Shale, Brown Lime, LKC, Stark,
Friday, December 12, 2014	3750'	Drlg ahead through BKC, CFS @ 3802', CTCH 1hour, Conduct Bit Trip, Drop Survey, Strap Out, Swap PDC for Button Bit, Resume Drlg, CFS @ 3864',
	3805'	Conduct DST #1 in the Conglomerate,
	3864'	Successful Test, Resume Drlg, CFS @ 3893', CFS @ 3930', CFS @ 3945',
Saturday, December 13, 2014	3945'	Conduct DST #2 in the Simpson Sand,
Sunday, December 14, 2014	3945'	Successful Test, Resume Drlg, CFS @ 3996', Resume Drlg ahead to TD @ 4100'
	4100'	TD of 4100' reached @ 0815hrs, CTCH 1 hour then OOH, Conduct Logging Operations, Logging Operations Complete @ 1630hrs
		Geologist Jeremy Schwartz off location @ 1700hrs

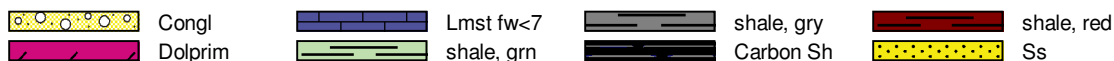
CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	ARKANSAS RIVER UNIT #1-3
LEGAL:	C S/2 S/2 NE/4 3-22S-16W
COUNTY:	PAWNEE COUNTY, KS
API:	15-145-21792-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

		CAPTIVA II, LLC				CAPTIVA II, LLC				D&A													
		WARD COUNTY UNIT #1-3				BUSTER #1-3				DAVIS-CHILD													
		E/2 NW-NE-NE 3-22S-16W				NE-NE-NW-SW 3-22S-16W				C-NE-NE-SW													
		1999		1999		1999		1999		2003		2003											
		LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.							
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.							
ANHYDRITE TOP	1000	999	1002	997	995	1004	-	5	-	7	995	1004	-	5	-	7	1000	1003	-	4	-	6	
BASE	1024	975	1025	974	1018	981	-	6	-	7	1016	983	-	8	-	9	1025	978	-	3	-	4	
TOPEKA	3160	-1161			3147	-1148	-	13			3137	-1138	-	23									
HEEBNER SHALE	3430	-1431	3428	-1429	3414	-1415	-	16	-	14	3403	-1404	-	27	-	25	3436	-1433	+	2	+	4	
TORONTO	3446	-1447	3446	-1447	3430	-1431	-	16	-	16	3424	-1425	-	22	-	22	3450	-1447	+	0	+	0	
DOUGLAS SHALE	3463	-1464	3462	-1463	3448	-1449	-	15	-	14	3437	-1438	-	26	-	25	3470	-1467	+	3	+	4	
BROWN LIME	3540	-1541	3538	-1539	3524	-1525	-	16	-	14	3510	-1511	-	30	-	28	3544	-1541	+	0	+	2	
LKC	3549	-1550	3550	-1551	3538	-1539	-	11	-	12	3518	-1519	-	31	-	32	3562	-1559	+	9	+	8	
STARK SHALE	3735	-1736	3734	-1735	3717	-1718	-	18	-	17	3711	-1712	-	24	-	23	3746	-1743	+	7	+	8	
BKC	3787	-1788	3786	-1787	3770	-1771	-	17	-	16	3764	-1765	-	23	-	22	3798	-1795	+	7	+	8	
MARMATON	3810	-1811	3806	-1807	3790	-1791	-	20	-	16	3783	-1784	-	27	-	23	3820	-1817	+	6	+	10	
CONGLOMERATE	3824	-1825	3836	-1837	3816	-1817	-	8	-	20	3810	-1811	-	14	-	26	3870	-1867	+	42	+	30	
CONG. SAND	3857	-1858	3856	-1857	3854	-1855	-	3	-	2	3829	-1830	-	28	-	27	3906	-1903	+	45	+	46	
LOWER CONG. SAND	3885	-1886	3886	-1887																			
SIMPSON SHALE	3917	-1918	3914	-1915	3890	-1891	-	27	-	24	3839	-1840	-	78	-	75	3947	-1944	+	26	+	29	
SIMPSON SAND	3934	-1935	3933	-1934	3908	-1909	-	26	-	25							3967	-1964	+	29	+	30	
ARBUCKLE	3991	-1992	3991	-1992	3960	-1961	-	31	-	31	3879	-1880	-	112	-	112	4033	-2030	+	38	+	38	
RTD			4100	-2101	4040	-2041				60	3970	-1971				130	4065	-2062				39	
LTD	4041	-2042			4041	-2042	+	0			3966	-1967	-	75			4064	-2061	+	19			

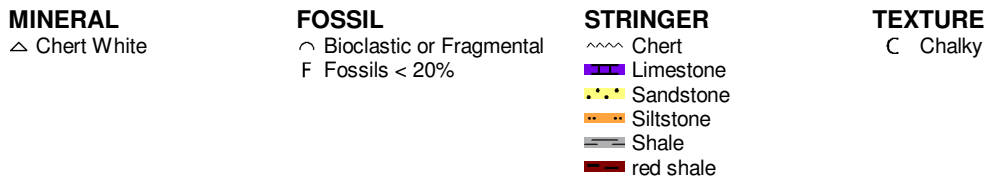
PROGNOSIS	
ANHYDRITE TOP	1999
HEEBNER SHALE	3424 -1425
LANSING	3548 -1549
BKC	3780 -1781
PENN CONG	3872 -1873
ARBUCKLE	3964 -1965
TD	4000 -2001

TESTED	TESTED	TESTED
<p>DST #1 (3806-3849) Conglomerate 10-45-15 Weak Surface Blow No BB No Blow/Flush Tool/Good Surge/ Still Weak Surface/Pull Test 15' Mud SIP: 113-N/A</p> <p>DST #2 (3879-3919) Simp Sand 15-45-60-90 Strong Blow BOB 1" BB BOB 5" Strong Blow BOB 45SEC/GTS 2" BB BOB 3MIN 30SEC 2425' CGO, 63' MCGO (080%/G10%) SIP: 1150-1137</p> <p>DST #3 (3960-3966) Ar buckle 15-45-60-90 Strong Blow BOB 13MIN 30SEC No BB</p>	<p>DST #1 (3758-3855) Cong/Viola 10-45-70-90 Strong Blow BOB 1" Surface BB Surge at Open then Weak Surface Flush Tool/BOB 1" GTS 41" BB BOB 1" 2772' SMCGO (065%/G30%) 189' OCGM (025%/G25%) 63' SOCM (05%) SIP: 1239-1226</p> <p>DST #2 (3873-3895) Ar buckle 10-45-30-60 Strong Blow BOB 40SEC BB 3/4" Strong Blow BOB 30SEC No BB 2614' SMGCW (W35%/G3%) 189' MW SIP: 1311-1310</p>	<p>No DST's</p>

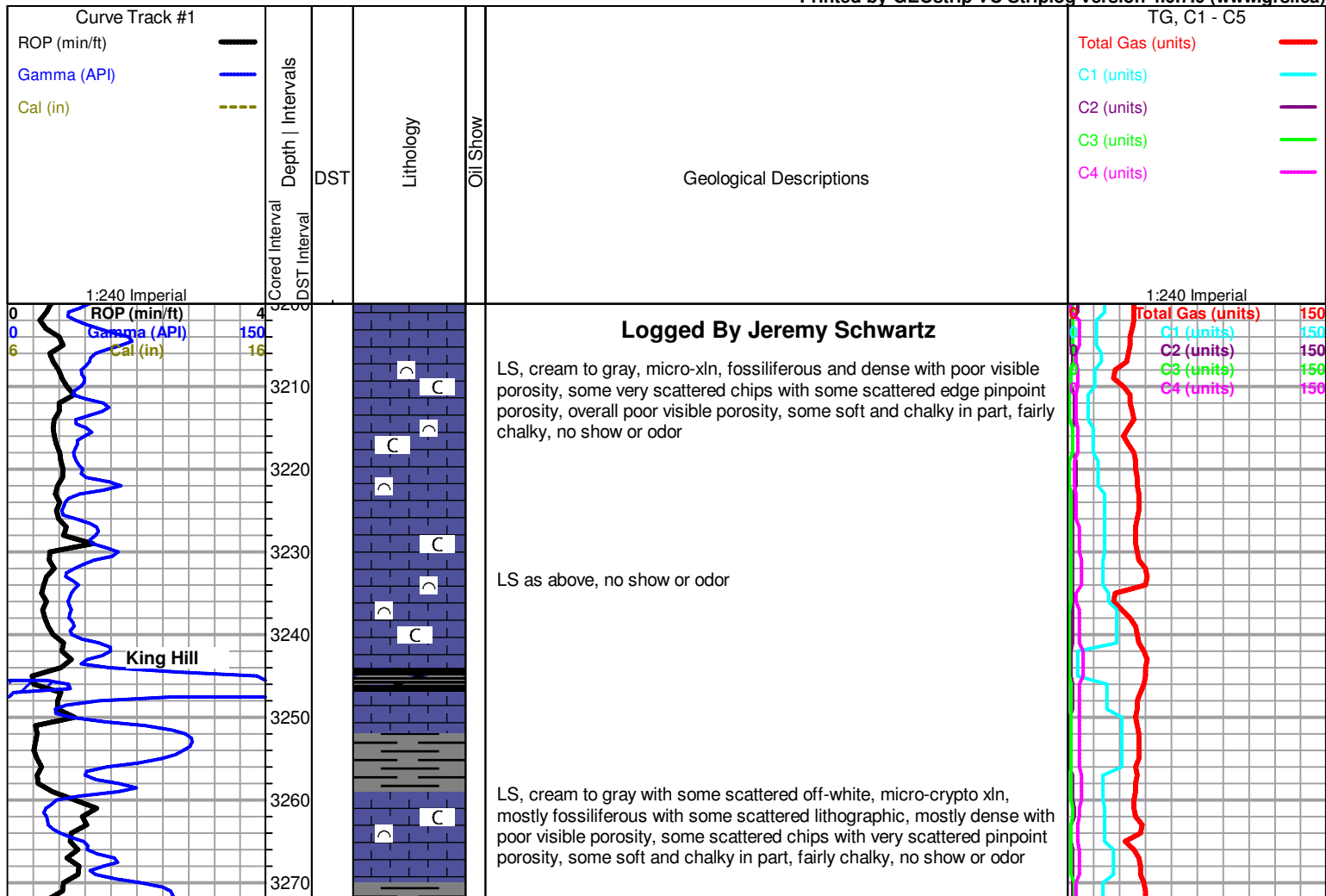
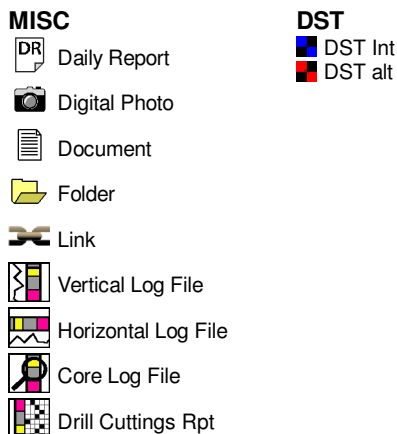
ROCK TYPES

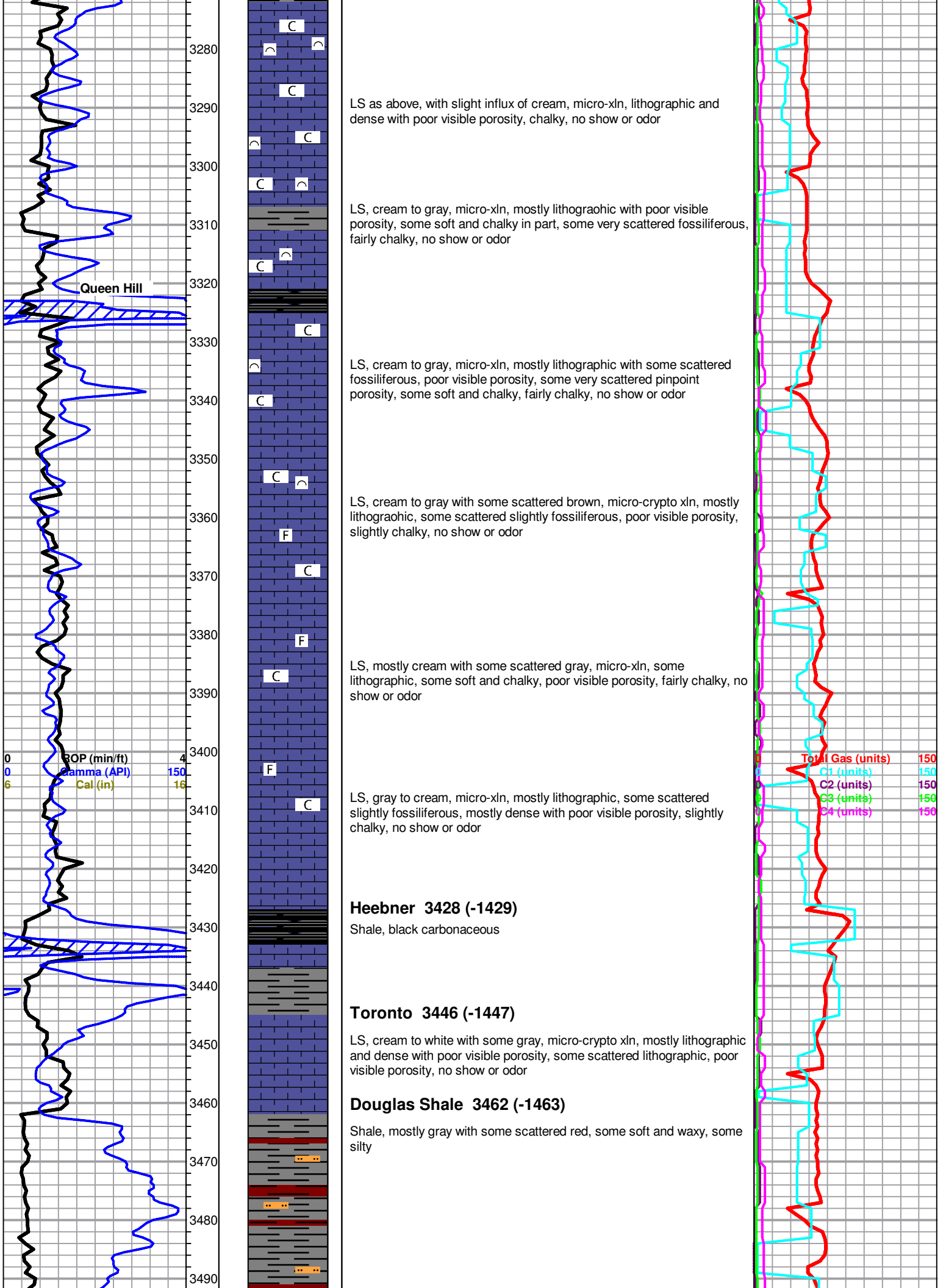


ACCESSORIES



OTHER SYMBOLS





LS as above, with slight influx of cream, micro-xln, lithographic and dense with poor visible porosity, chalky, no show or odor

LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, some soft and chalky in part, some very scattered fossiliferous, fairly chalky, no show or odor

LS, cream to gray, micro-xln, mostly lithographic with some scattered fossiliferous, poor visible porosity, some very scattered pinpoint porosity, some soft and chalky, fairly chalky, no show or odor

LS, cream to gray with some scattered brown, micro-crypto xln, mostly lithographic, some scattered slightly fossiliferous, poor visible porosity, slightly chalky, no show or odor

LS, mostly cream with some scattered gray, micro-xln, some lithographic, some soft and chalky, poor visible porosity, fairly chalky, no show or odor

LS, gray to cream, micro-xln, mostly lithographic, some scattered slightly fossiliferous, mostly dense with poor visible porosity, slightly chalky, no show or odor

Heebner 3428 (-1429)

Shale, black carbonaceous

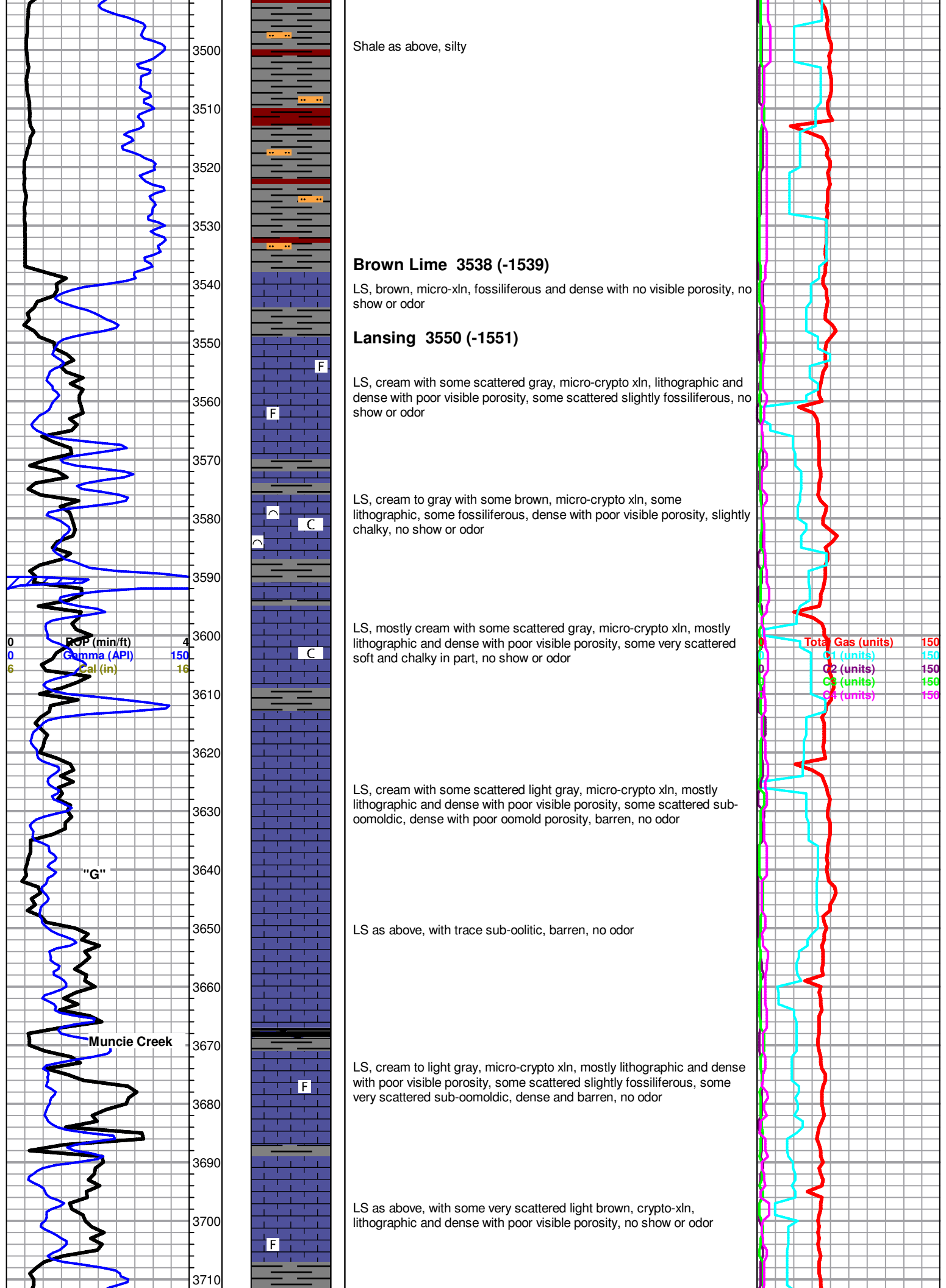
Toronto 3446 (-1447)

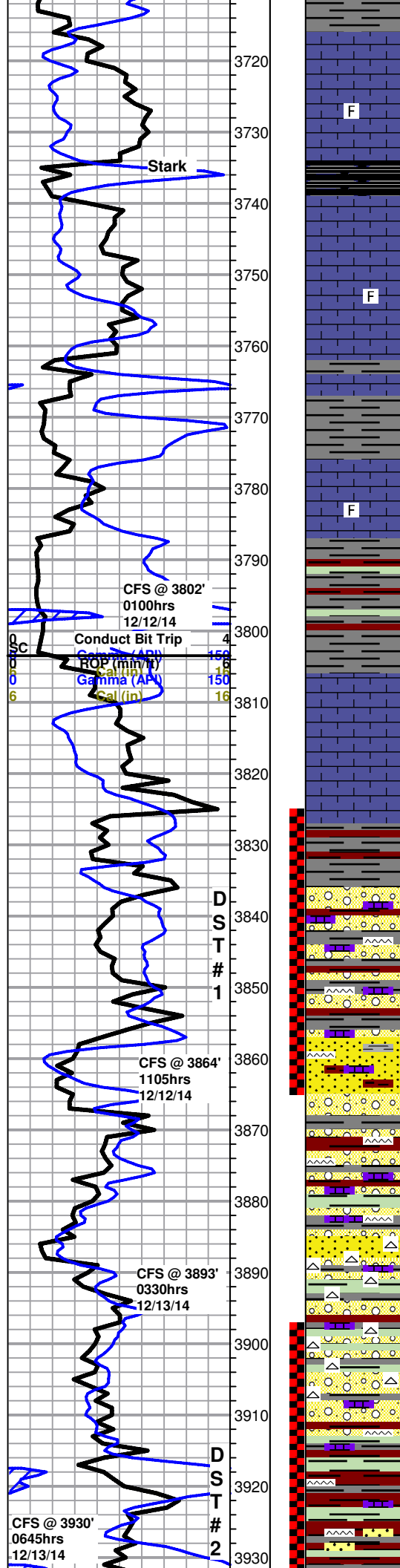
LS, cream to white with some gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered lithographic, poor visible porosity, no show or odor

Douglas Shale 3462 (-1463)

Shale, mostly gray with some scattered red, some soft and waxy, some silty

Total Gas (units)	150
C1 (units)	150
C2 (units)	150
C3 (units)	150
C4 (units)	150





LS, cream to light gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some very scattered slightly fossiliferous with trace sub-oomoldic, no show or odor

F

LS as above, with some very scattered light brown, crypto-xln, dense with no visible porosity, no show or odor

F

LS, cream to light gray with some scattered light brown, micro-crypto xln, lithographic and dense with poor visible porosity, some very scattered slightly fossiliferous, no show or odor

F

BKC 3786 (-1787)

3802' 60" Mostly gray shale with some very scattered red and trace green

Marmaton 3806 (-1807)

LS, cream to light gray, micro-crypto xln, lithographic and dense with poor visible porosity, no show or odor

LS as above, with some gray and red shale, no show or odor

Mixed cream to gray LS, gray and red shales, and scattered orange to red chert, red wash, no show or odor

Conglomerate Sand 3856 (-1857)

Mixed LS, shales, and cherts as above, with SS, brown to clear, fine-grained, sub-angular to sub-rounded, mostly fairly well cemented and dense, some scattered friable, some slightly chalky, some with shale and chert inclusions, silicious, some bleeding oil and gas bubbles, good show free oil in tray, fair odor

Shelby Arkansas River Unit 1-3 dst 1.jpg

Mixed LS, gray and red shale with trace green, and mixed orange to red and tan to brown with some scattered cream cherts, red wash, no show or odor

Merlin Sand 3886 (-1887)

3893' 30" Chert, white with some scattered tan to brown and red, fresh and sharp, few very scattered chips with tripolitic edges and scattered black stain, also with conglomerate as above, found a couple very small sand clusters, clear to light brown, fine grained, mostly sub-rounded and well sorted, friable, no odor

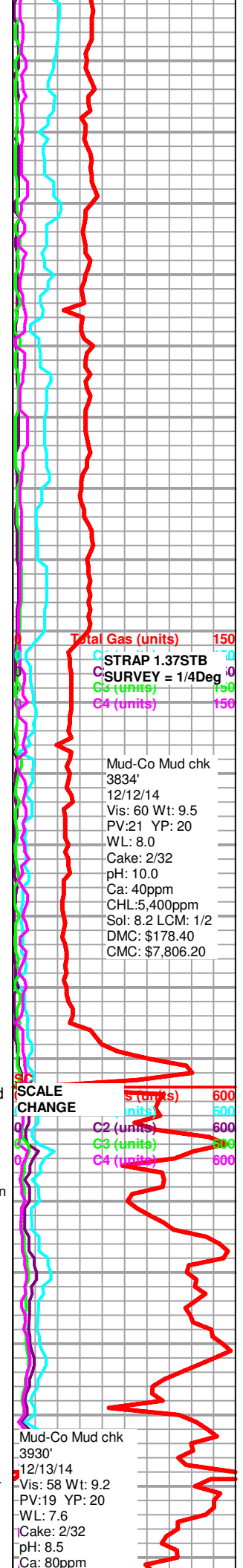
Merlin SS.jpg

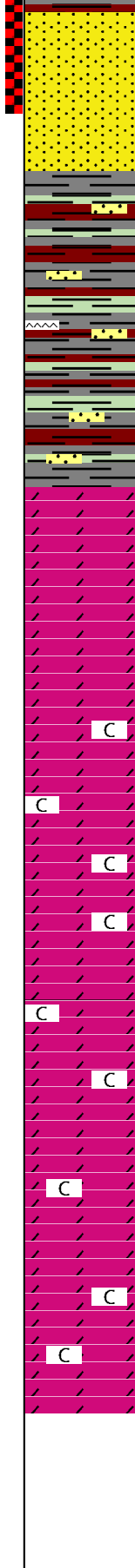
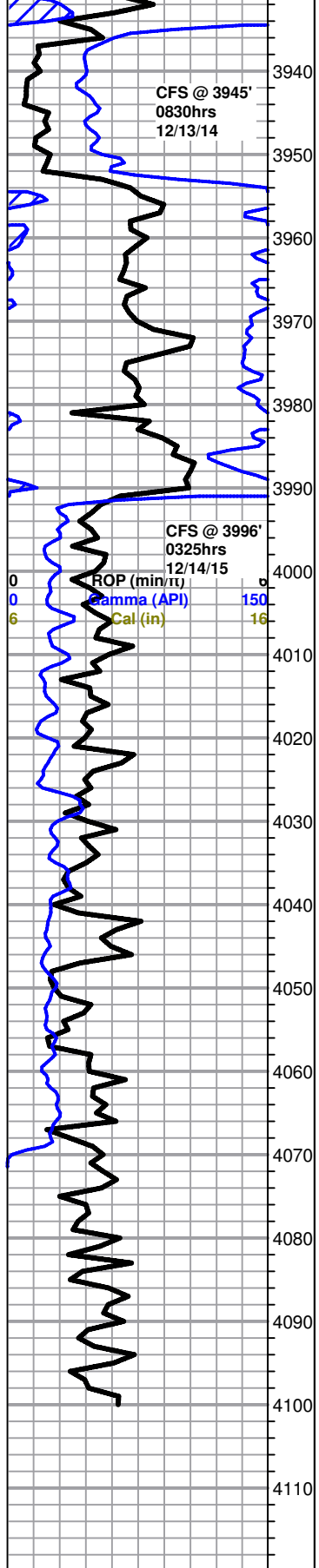
Mostly conglomerate with some white to tan and brown chert, red wash, no show or odor

Conglomerate with abundant red and gray shale with some very scattered green, no show or odor

3930' 30" Mostly red shale with some gray and very scattered green, also with some very scattered tan to cream and gray cherts, heavy red wash, no show or odor

3930' 60" Mostly same as above, also found few very scattered SS clusters, clear, sub-rounded to rounded, f-med grained, fairly friable, chalky, barren, no odor





Simpson Sand 3933 (-1934)

Shelby Arkansas River Unit 1-3 dst 2.jpg

SS, clear to milky white, med grained, sub-rounded to rounded and well sorted, fairly well cemented, some fairly friable, some clusters calcareous, some slightly chalk filled, some with very scattered shale inclusions, some clean (~30-40%), most appear barren, some with very scattered black stain, few clusters with slight to fair show free oil upon break, with abundant red shale and red wash, VSSFO in tray, poor odor

~3950' Mostly gray and red shales with some green, with some scattered SS as above, also with abundant green to gray clay, some globs with sand grains trapped, NSFO, no odor

Shale as above, with some scattered SS, and some very scattered brown chert, no shows or odor

Gray and red shale with some green, with some scattered SS, clear to milky, med-grained, well sorted, fairly friable, some glauconitic, some slightly chalky, barren, no odor

Arbuckle 3991 (-1992)

3996' 30" Dolomite, cream, micro-xln, lithographic and dense with poor visible porosity, barren, also with some scattered SS as above, NSFO, no odor in cup

3996' 60" Dolomite as above, with some scattered sub-sucrosic with poor sub-rhombic development, dense and barren, no odor in cup

~4000' Dolomite, cream, micro-xln, mostly lithographic with some sub-sucrosic, some with scattered fair sub-rhombic development, dense with poor visible porosity, no show or odor

~4010' Dolomite as above, with some scattered off-white, sub-sucrosic and dense with scattered sub-rhombic development, slightly chalky, no show or odor

~4020' Dolomite, cream with some very scattered off-white to white, sub-sucrosic to sucrosic and dense with poor visible porosity, fairly chalky, no show or odor

Dolomite as above, fairly chalky, no show or odor

Dolomite, cream to off-white with some scattered light brown to brown, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, slightly chalky, no show or odor

Dolomite as above, no show or odor

Dolomite, cream with some light brown to brown, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, some scattered sucrosic, no show or odor

Dolomite as above, slightly chalky, no show or odor

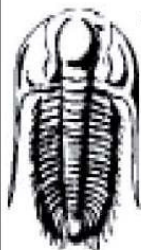
Dolomite, cream with some light brown to brown, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, some very scattered sub-rhombic development, no show or odor

Rotary TD 4100' @ 0815hrs 12/14/14
Nabors Well Services Logging TD @ 4101'
Complete Logging Operations @ 1630hrs 12/14/14
Geologist Jeremy Schwartz off location @ 1700 hrs 12/14/14

CHL:5.600ppm
 Sol: 6.1 LCM: 1/2
 DMC: \$1,544.45
 CMC: \$9,350.65

Total Gas (units) 600
 G1 (units) 500
 C1 (units) 600
 G2 (units) 600
 C2 (units) 500

Mud-Co Mud chk
 4076"
 12/14/14
 Vis: 52 Wt: 9.2
 PV:19 YP: 20
 WL: 7.2
 Cake: 2/32
 pH: 11.0
 Ca: 20ppm
 CHL:5,200ppm
 Sol: 6.1 LCM: 1/2
 DMC: \$451.35
 CMC: \$9,802.00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C
 445 Union Blvd Suite 208 Lakewood CO 80228
 ATTN: Jeremy Schwartz

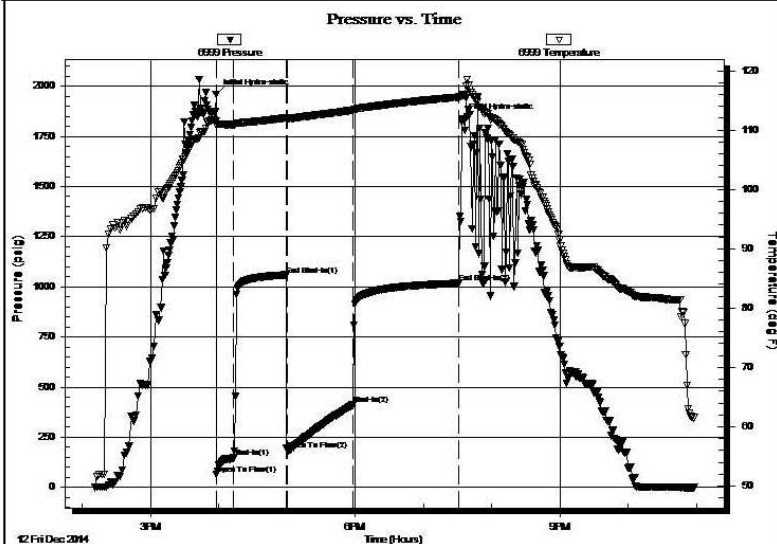
3-22s-16w Pawnee
Arkansas River Unit
 Job Ticket: 61894 **DST#: 1**
 Test Start: 2014.12.12 @ 14:10:00

GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:58:00
 Time Test Ended: 22:57:30
 Interval: **3825.00 ft (KB) To 3864.00 ft (KB) (TVD)**
 Total Depth: 3864.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: S5-Great Bend-50
 Reference Elevations: 1999.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6999 Outside
 Press@RunDepth: 147.02 psig @ 3861.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.12.12 End Date: 2014.12.12 Last Calib.: 2014.12.13
 Start Time: 14:11:00 End Time: 22:57:30 Time On Btm: 2014.12.12 @ 15:57:30
 Time Off Btm: 2014.12.12 @ 19:34:00

TEST COMMENT: IFF-15 Minutes-Strong blow built bottom of bucket in 3 minutes
 ISIP-45 Minutes-Blow back 8 inches
 FFP-60 Minutes-Strong blow built bottom of bucket in 3 minutes
 FSIP-90 Minutes-Blow back bottom of bucket



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.76	111.50	Initial Hydro-static
1	63.82	110.78	Open To Flow (1)
16	147.02	110.92	Shut-In(1)
62	1059.45	112.06	End Shut-In(1)
63	187.09	111.88	Open To Flow (2)
121	411.67	113.35	Shut-In(2)
213	1017.79	115.53	End Shut-In(2)
217	1839.23	115.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	Oil 90% 10% mud	1.62
720.00	Gas oil 10% gas 90% Oil	10.10
0.00	gas in pipe 3525	0.00

Gas Rates

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

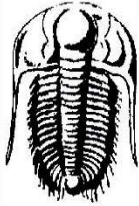
Merlin SS.jpg



DRILL STEM TEST REPORT

Shelby Resources L.L.C
 445 Union Blvd Suite 208 Lakewood CO 80228
 ATTN: Jeremy Schwartz

3-22s-16w Pawnee
Arkansas River Unit
 Job Ticket: 61895 **DST#: 2**
 Test Start: 2014.12.13 @ 11:45:00



TRILOBITE TESTING, INC.

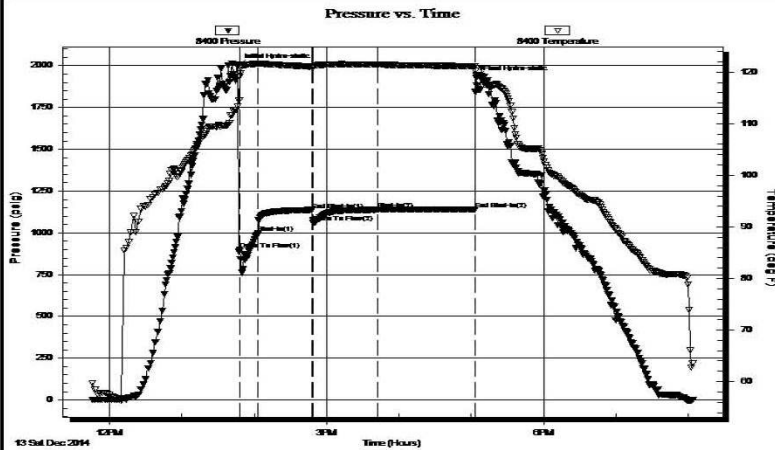
GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:48:00
 Time Test Ended: 20:04:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: S5-Great Bend -50
 Interval: **3897.00 ft (KB) To 3945.00 ft (KB) (TVD)**
 Total Depth: 3945.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1999.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8400

Press@RunDepth: 1138.95 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.12.13 End Date: 2014.12.13 Last Calib.: 2014.12.13
 Start Time: 11:46:00 End Time: 20:04:00 Time On Btm: 2014.12.13 @ 13:46:30
 Time Off Btm: 2014.12.13 @ 17:04:00

TEST COMMENT: IFP- 15 Minutes-Strong blow built bottom of bucket in 1 minute
 ISIP-45 Minutes-No blow back
 FFP-45 Minutes-Strong blow built bottom of bucket in 1 minute
 FSIP-90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.22	113.34	Initial Hydro-static
2	899.77	119.15	Open To Flow (1)
17	997.00	121.63	Shut-In(1)
62	1137.36	121.06	End Shut-In(1)
63	1060.58	121.04	Open To Flow (2)
116	1138.95	121.50	Shut-In(2)
197	1141.35	121.16	End Shut-In(2)
198	1926.41	119.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2200.00	water	30.04

Gas Rates

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

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. 6313

Date	12-9-14	Sec.	3	Twp.	22	Range	16	County	Pawnee	State	KS	On Location		Finish	7:00 PM
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Location Larned St to K-19 Hwy 2E to 90th Rd 1/2N w into

Lease	Arkansas River unit	Well No.	1-3	Owner	
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Contractor	Sterling		5	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.	
------------	----------	--	---	--	--

Type Job	Surface			Charge To	Shelby Resources
----------	---------	--	--	-----------	------------------

Hole Size	12 1/4	T.D.	1044	Street	
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Csg.	8 5/8	Depth	1039.73	City	
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Tbg. Size		Depth		State	
-----------	--	-------	--	-------	--

Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
------	--	-------	--	--	--

Cement Left in Csg.		Shoe Joint	42.76	Cement Amount Ordered	450 sk 60/40 3% CC 2 1/2 gal 1/2 Seal
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Meas Line		Displace	03 1/2	Common	270
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EQUIPMENT			Poz. Mix	180
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Pumptrk	16	No.	Cementer	Rick	Gel.	9
---------	----	-----	----------	------	------	---

Bulktrk	4	No.	Driver	Rick	Calcium	19
---------	---	-----	--------	------	---------	----

Bulktrk	Pu	No.	Driver	Bill	Hulls	
---------	----	-----	--------	------	-------	--

JOB SERVICES & REMARKS			Salt	
-----------------------------------	--	--	------	--

Remarks:	Cement did circulate	Flowseal	225
----------	----------------------	----------	-----

Rat Hole		Kol-Seal	
----------	--	----------	--

Mouse Hole		Mud CLR 48	
------------	--	------------	--

Centralizers		CFL-117 or CD110 CAF 38	
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Baskets		Sand	
---------	--	------	--

D/V or Port Collar		Handling	480
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		Mileage	
--	--	---------	--

		FLOAT EQUIPMENT	
--	--	------------------------	--

		Guide Shoe	1 slip on (8 5/8)
--	--	------------	-------------------

		Centralizer	
--	--	-------------	--

		Baskets	
--	--	---------	--

		AFU Inserts	
--	--	-------------	--

		Float Shoe	
--	--	------------	--

		Latch Down	
--	--	------------	--

		Baffle plate Rubber plug	
--	--	--------------------------	--

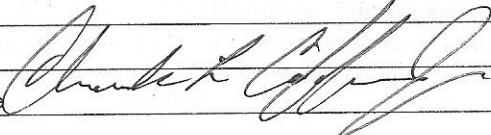
		Pumptrk Charge	Long Surface
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		Mileage	26
--	--	---------	----

		Tax	
--	--	-----	--

		Discount	
--	--	----------	--

		Total Charge	
--	--	--------------	--

X Signature 

Customer Shelby Resources LLC	Lease No.	Date 12-15-14
Lease Arkansas River Unit	Well # 1-3	
Field Order # 11698	Station PACI	Casing 5 1/2
		Depth 4071.32
Type Job CNW 5 1/2 long string	Formation	County Pawnee
		State KS
		Legal Description 3-22-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 1/2	Tubing Size	Shots/Ft		Acid 150 SKS	AA-2	RATE 50-100 Bbls	PRESS	ISIP
Depth 4071.32	Depth	From	To	Pre Pad 100 SKS	Max 60/40 P-2	29.3		5 Min.
Volume 49.3	Volume	From	To	Pad	Min			10 Min.
Max Press 7500	Max Press	From	To	Frac	Avg			15 Min.
Well Connection 1-2	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 4050.5	Packer Depth	From	To	Flush 98.8	Gas Volume			Total Load

Customer Representative Chris Gottschalk	Station Manager Kevin Golden	Treater Mike Mattal
---	---------------------------------	------------------------

Service Units 37560	77680	19905	19903	21010
Driver Names MATTAL	McGraw		Golden	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					ON LOCATION, safety meeting
3:30					Run 5 1/2 14# casing, cement on #1
					Turn on 2, 4, 5, 6, 8
5:50					Casing on bottom
6:05					Hook to casing/Break circ. w. R.G.
6:49	400		3	6	PUMP 3 BBL WAMP
6:54	400		11	6	Mix 50 SKS scavenger
6:52			36		Mix 150 SKS AA-2
7:00			4	3	WASH PUMP + Line, release plug
7:03	250			6	START DISPLACEMENT
7:14	300		65	5.5	LIFT PRESSURE
7:19	700		90	3	SLOW RATE
7:20	1500		98.4		Plug Down, release + hold
7:30			7.5		Plug rat + remove hole
					Circulation thru job
					JOB COMPLETE
					THANK YOU!
					MIKE MATTAL
					MICHAEL HARRIS

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

April 14, 2015

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

Re: ACO-1
API 15-145-21792-00-00
Arkansas River Unit 1-3
NE/4 Sec.03-22S-16W
Pawnee 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 12/09/2014 and the ACO-1 was received on April 14, 2015 (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