



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1218792
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: _____

1218792

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	John 2
Doc ID	1218792

Tops

Name	Top	Datum
Stone Corral Anhydrite	1167	+781
Anhydrite (base)	1200	+748
Topeka	2902	-954
Heebner	3106	-1158
Lansing/KS City A	3157	-1209
LKC B	3186	-1238
LKC C	3204	-1256
LKC G	3258	-1310
LKC H	3298	-1350
LKC I	3321	-1373
LKC J	3340	-1392
LKC K	3376	-1428
LKC L	3404	-1456
Cherokee	3542	-1594
Viola	3615	-1667
Arbuckle	3694	-1746
RTD	3790	
LTD	3790	

Aug. 14. 2014 11:25AM

Allied Cementing Co LLC

ALLIED OIL & GAS SERVICES, LLC

055270

Federal Tax I.D.# 20-5975804

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

316-681-4734

SERVICE POINT

Russell ks

DATE <u>5.22.14</u>	SEC <u>34</u>	TWE <u>9</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 am</u>	JOB FINISH <u>9:30 am</u>	
LEASE <u>John</u>	WELL # <u>2</u>	LOCATION <u>Naboma, ks</u>	COUNTY <u>Shelby</u>	STATE <u>ks</u>				
OLD OR NEW (Circle one)			<u>3 n on rd 457 e 1/2 s into</u>				<u>7.6</u>	

CONTRACTOR <u>American Eagle</u>	OWNER <u>J.O.</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4"</u>	T.D.
CASING SIZE <u>8 7/8"</u>	DEPTH <u>306.89'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>15'</u>
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>18.57 cu</u>	

CEMENT	
AMOUNT ORDERED	<u>175sk com</u>
	<u>4 gal + 37.00</u>
COMMON	<u>175sk @ 17.7 \$ 3,132.50</u>
POZMIX	@
GEL	<u>330lb @ .24 \$ 79.20</u>
CHLORIDE	<u>495lb @ .80 \$ 396.00</u>
ASC	@

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Andy Pfannkuch</u>
# <u>717</u>	HELPER	<u>Walter S.</u>
BULK TRUCK		
# <u>473</u>	DRIVER	<u>Jesse C</u>
BULK TRUCK		
#	DRIVER	

	<u>material</u>	@	<u>3100.00</u>
	<u>Alces</u>	@	<u>1010.15</u>
		@	
		@	
		@	
		@	
HANDLING	<u>175sk Flz</u>	@ <u>2.48</u>	<u>\$ 434.00</u>
MILEAGE	<u>405</u>	<u>1.25</u>	<u>\$ 506.25</u>
	<u>412.50</u>		
			TOTAL <u>\$ 5,112.20</u>

REMARKS:

See Cementing Job log

Cement to Surface

SERVICE

DEPTH OF JOB	<u>306.89'</u>
PUMP TRUCK CHARGE	<u>\$ 1512.25</u>
EXTRA FOOTAGE	@
MILEAGE	<u>Acquy 50m @ 7.7 \$ 385.00</u>
MANIFOLD	<u>light @ 0 \$</u>

CHARGE TO: Berexo LLC

STREET:

CITY: STATE: ZIP: 67665

Alces, 953.05 TOTAL \$ 1,541.25

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@

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 Derby Keever

SIGNATURE Derby Keever

TOTAL 0

SALES TAX (If Any) 275.98

TOTAL CHARGES \$ 7,011.45

DISCOUNT \$ 1,963.20 28% IF PAID IN 30 DAYS

Net 5048.25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita KS 67206
 ATTN: Steve Reed

34-9-15, Osborne, KS
John #2
 Job Ticket: 58962 **DST#: 1**
 Test Start: 2014.05.26 @ 03:40:00

GENERAL INFORMATION:

Formation: **KC "A-C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:24:00
 Time Test Ended: 12:00:15
 Interval: **3138.00 ft (KB) To 3200.00 ft (KB) (TVD)**
 Total Depth: 3200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1948.00 ft (KB)
 1941.00 ft (CF)
 KB to GR/CF: 7.00 ft

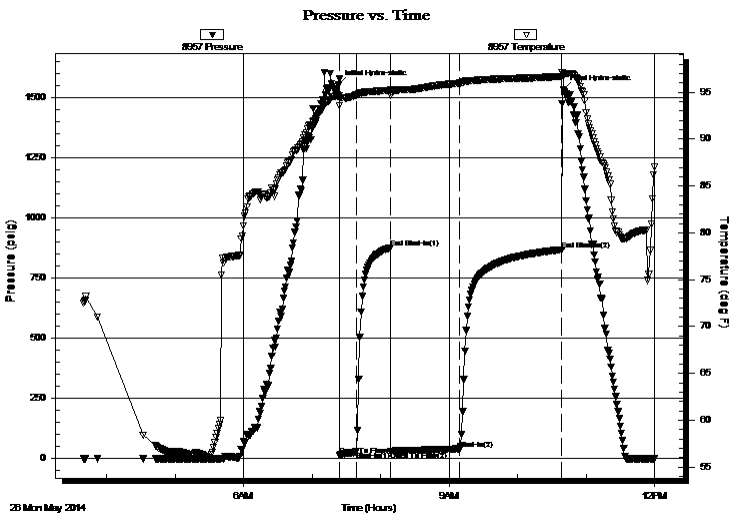
Serial #: 8957

Outside

Press @ Run Depth: 40.14 psig @ 3139.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.26 End Date: 2014.05.26 Last Calib.: 2014.05.26
 Start Time: 03:40:05 End Time: 12:00:14 Time On Btm: 2014.05.26 @ 07:22:45
 Time Off Btm: 2014.05.26 @ 10:40:00

TEST COMMENT: IF-1 1/4in blow
 ISI-No blow
 FF-1/4in blow
 FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.44	94.59	Initial Hydro-static
2	13.12	93.57	Open To Flow (1)
16	28.61	94.70	Shut-In(1)
46	876.62	95.23	End Shut-In(1)
46	28.57	94.70	Open To Flow (2)
107	40.14	95.99	Shut-In(2)
196	868.49	96.70	End Shut-In(2)
198	1532.18	96.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

34-9-15, Osborne, KS

2020 N Bramblewood
Wichita KS 67206

John #2

Job Ticket: 58962

DST#: 1

ATTN: Steve Reed

Test Start: 2014.05.26 @ 03:40:00

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: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

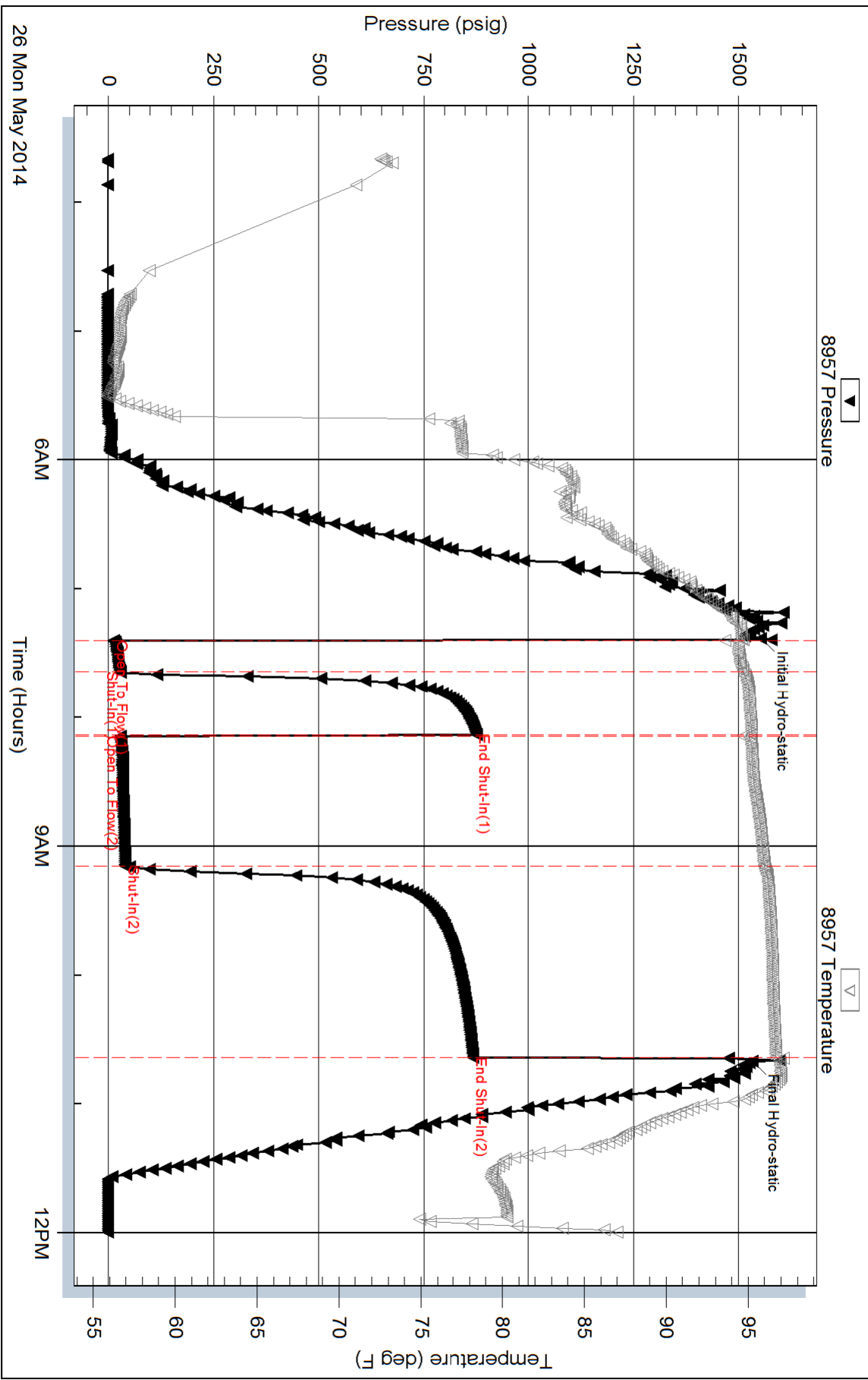
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC

34-9-15, Osborne, KS

2020 N Bramblewood
Wichita KS 67206

John #2

Job Ticket: 58963

DST#: 2

ATTN: Steve Reed

Test Start: 2014.05.27 @ 01:15:00

GENERAL INFORMATION:

Formation: **KC"C-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:24:15

Time Test Ended: 09:32:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3200.00 ft (KB) To 3285.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3285.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8957 Outside

Press@RunDepth: 113.21 psig @ 3201.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.27

End Date:

2014.05.27

Last Calib.:

2014.05.27

Start Time: 01:15:05

End Time:

09:32:29

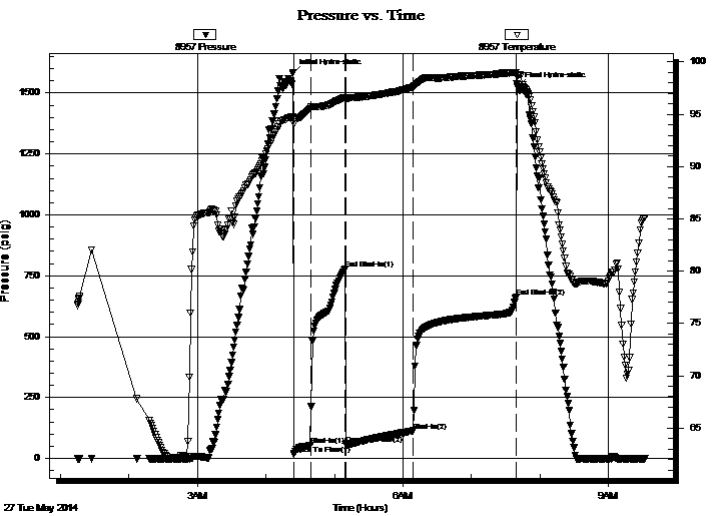
Time On Btm:

2014.05.27 @ 04:23:30

Time Off Btm:

2014.05.27 @ 07:40:30

TEST COMMENT: IF-5 3/4in blow
IS-No blow
FF-7 1/2in blow
FS-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1581.02	94.78	Initial Hydro-static
1	17.88	94.06	Open To Flow (1)
16	55.06	95.57	Shut-In(1)
46	776.14	96.63	End Shut-In(1)
47	57.52	96.41	Open To Flow (2)
106	113.21	97.63	Shut-In(2)
196	661.40	99.01	End Shut-In(2)
197	1526.23	98.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MCW 80%W 20%M	2.25
30.00	OS MCW 60%W 40%M	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

34-9-15, Osborne, KS

2020 N Bramblewood
Wichita KS 67206

John #2

Job Ticket: 58963

DST#: 2

ATTN: Steve Reed

Test Start: 2014.05.27 @ 01:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	MCW 80%W 20%M	2.252
30.00	OS MCW 60%W 40%M	0.421

Total Length: 210.00 ft Total Volume: 2.673 bbl

Num Fluid Samples: 0

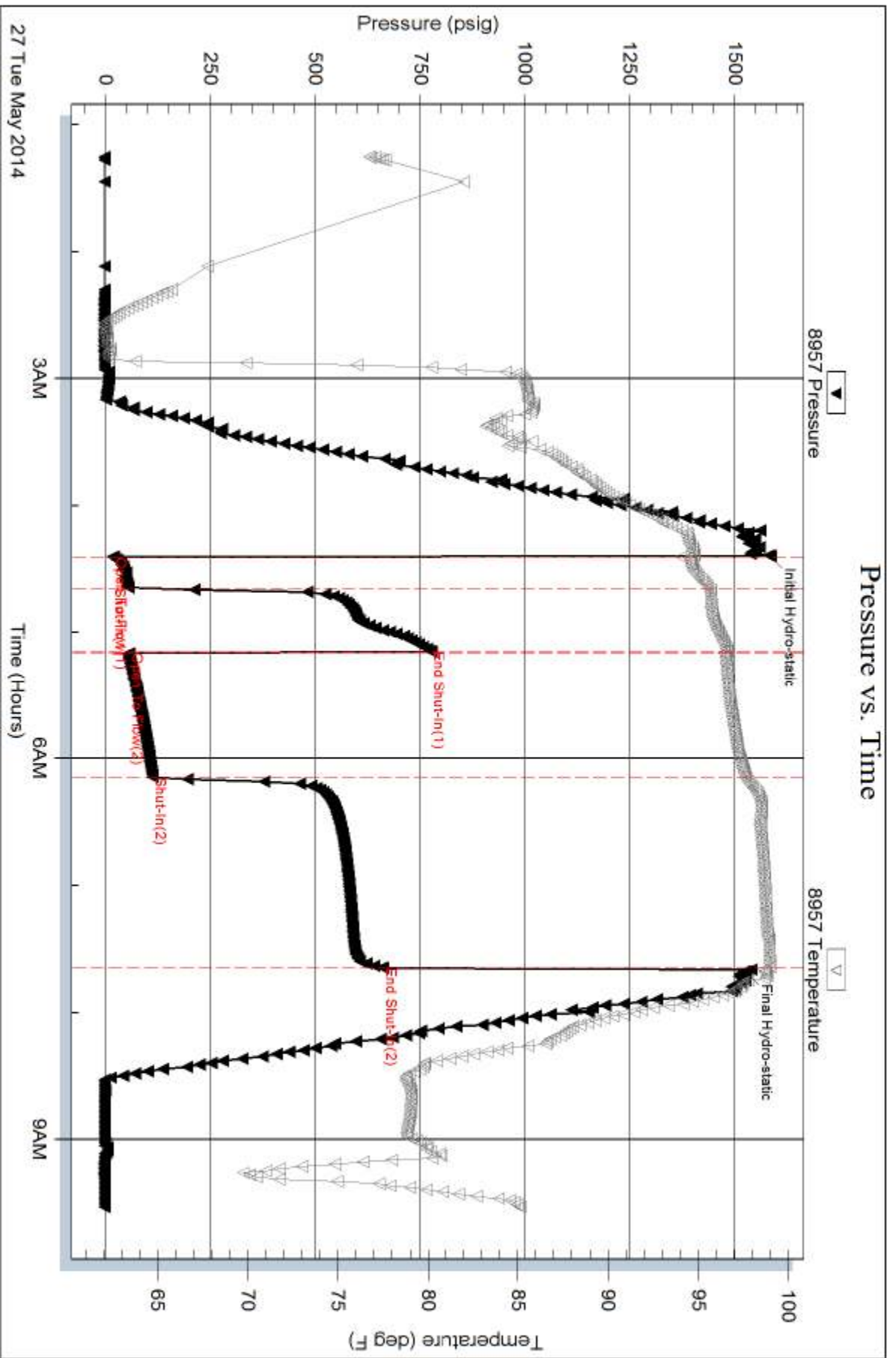
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC

34-9-15, Osborne, KS

2020 N Bramblewood
Wichita KS 67206

John #2

Job Ticket: 58964

DST#: 3

ATTN: Steve Reed

Test Start: 2014.05.27 @ 18:20:00

GENERAL INFORMATION:

Formation: **KC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:10:30

Time Test Ended: 02:41:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3285.00 ft (KB) To 3363.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3363.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8957 Outside

Press@RunDepth: 79.01 psig @ 3286.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.27

End Date: 2014.05.28

Last Calib.: 2014.05.28

Start Time: 18:20:05

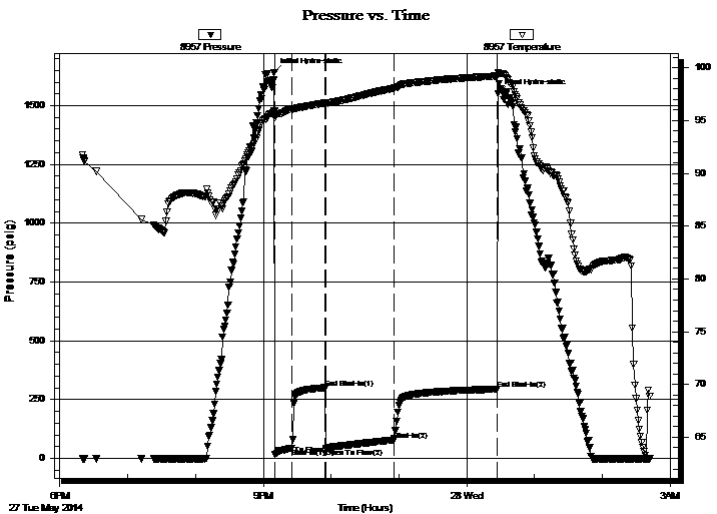
End Time: 02:41:44

Time On Btm: 2014.05.27 @ 21:09:30

Time Off Btm: 2014.05.28 @ 00:28:00

TEST COMMENT: IF-3in blow
IS-No blow
FF-4in blow
FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.39	95.83	Initial Hydro-static
1	17.21	95.30	Open To Flow (1)
16	41.86	96.05	Shut-In(1)
46	300.40	96.67	End Shut-In(1)
46	43.06	96.62	Open To Flow (2)
106	79.01	98.07	Shut-In(2)
198	294.31	99.21	End Shut-In(2)
199	1550.52	99.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OS VSMCW 5%M 95%W	0.57
60.00	OS MCW 30%M 70%W	0.84
30.00	V/SOWCM 5%O 45%W 50%M	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

34-9-15, Osborne, KS

2020 N Bramblewood
Wichita KS 67206

John #2

Job Ticket: 58964

DST#: 3

ATTN: Steve Reed

Test Start: 2014.05.27 @ 18:20:00

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:

44000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	OS VSMCW 5%M 95%W	0.568
60.00	OS MCW 30%M 70%W	0.842
30.00	VSOWCM 5%O 45%W 50%M	0.421

Total Length: 150.00 ft

Total Volume: 1.831 bbl

Num Fluid Samples: 0

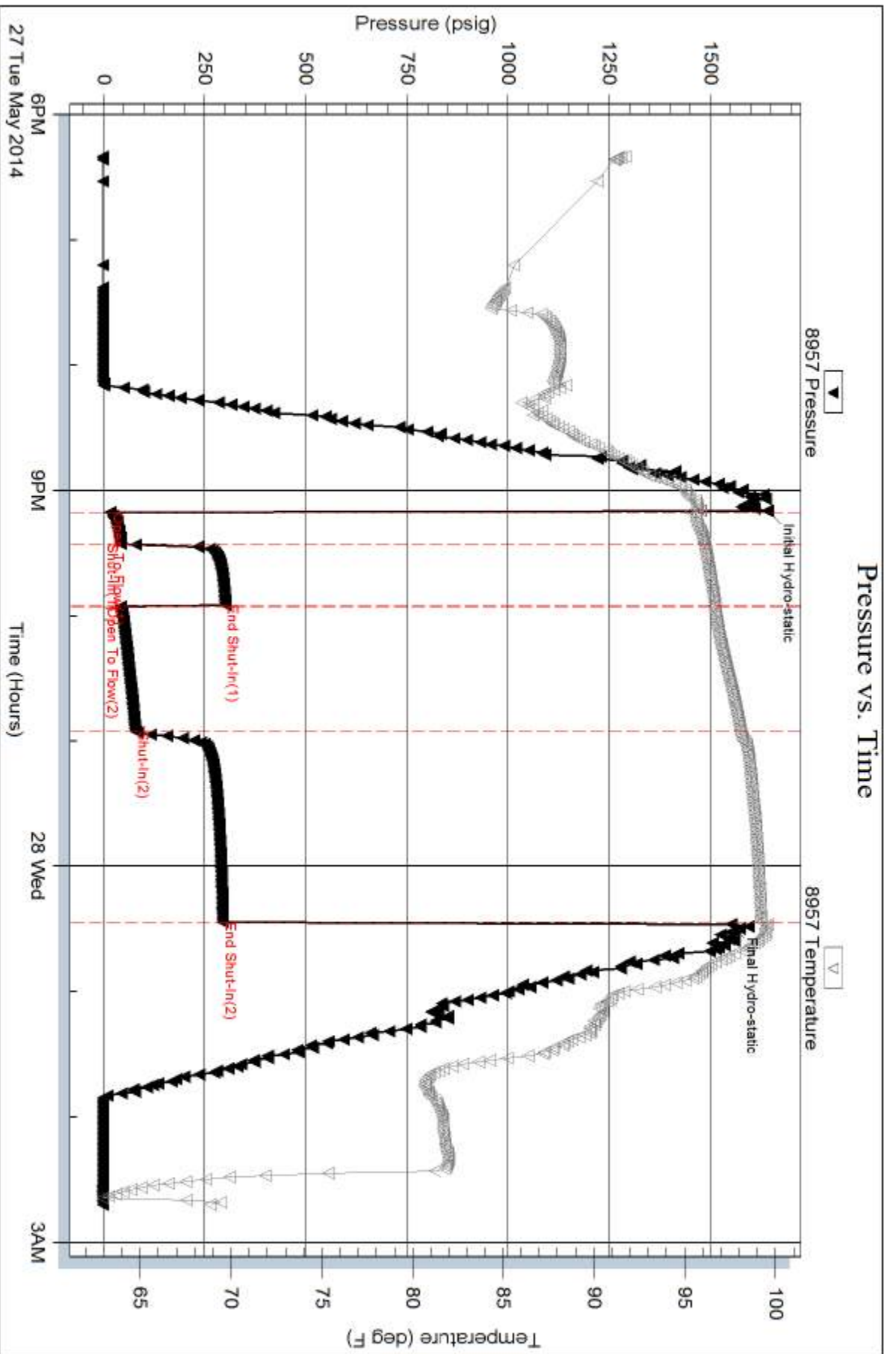
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



OPERATOR

Company: BEREXCO, LLC
Address: 2020 NORTH BRAMBLEWOOD
WICHITA, KS
67206-1094
Contact Geologist: BRUCE MEYER
Contact Phone Nbr: 316-265-3311
Well Name: JOHN #2
Location: NE NW NW S34 T9S R15W
API: 15-141-20465-00-00
Pool:
State: KANSAS

WELL FILE

Field: ROUND MOUND
Country: USA



BEREXCO

Scale 1:240 Imperial

Well Name: JOHN #2
Surface Location: NE NW NW S34 T9S R15W
Bottom Location:
API: 15-141-20465-00-00
License Number: 34318
Spud Date: 5/21/2014
Region: OSBORNE COUNTY
Drilling Completed: 5/30/2014
Surface Coordinates: 330 FNL & 990 FWL
Bottom Hole Coordinates:
Ground Elevation: 1941.00ft
K.B. Elevation: 1948.00ft
Logged Interval: 2850.00ft
Total Depth: 3790.00ft
Formation: LANSING / KANSAS CITY
Drilling Fluid Type: CHEMICAL / FRESH WATER GEL

Time: 9:30 PM

Time: 11:30 PM

To: 3790.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -98.9885387
Latitude: 39.2331706
N/S Co-ord: 330 FNL
E/W Co-ord: 990 FWL

LOGGED BY



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

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

Name: STEVE REED / HERB DEINES

CONTRACTOR

Contractor: AMERICAN EAGLE DRILLING
Rig #: 3
Rig Type: MUD ROTARY
Spud Date: 5/21/2014
TD Date: 5/30/2014
Rig Release: 5/31/2014

Time: 9:30 PM
Time: 11:30 PM
Time: 5:00 PM

ELEVATIONS

K.B. Elevation: 1948.00ft
K.B. to Ground: 7.00ft
Ground Elevation: 1941.00ft

NOTES

BASED ON LACK OF SIGNIFICANT OIL SHOWS AND NEGATIVE RESULTS OF DST'S, DECISION WAS MADE TO PLUG AND ABANDON WELL

OPEN HOLE LOGGING PROVIDED BY PIONEER ENERGY SERVICES

ELEVATIONS

K.B. Elevation: 1948.00ft
 K.B. to Ground: 7.00ft

Ground Elevation: 1941.00ft

NOTES

BASED ON LACK OF SIGNIFICANT OIL SHOWS AND NEGATIVE RESULTS OF DST'S, DECISION WAS MADE TO PLUG AND ABANDON WELL

OPEN HOLE LOGGING PROVIDED BY PIONEER ENERGY SERVICES:

DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, AND MICRORESISTIVITY LOGS WERE PERFORMED

DRILL STEM TESTING PROVIDED BY: TRILOBITE TESTING, INC:

THREE (3) CONVENTIONAL DRILL STEM TESTS COMPLETED

Image Header 01

	WELL NAME		COMPARISON WELL	COMPARISON WELL
	JOHN #2		WARD # 1	WINDER #1
	API: 15-141-20465		API: 15-141-20005	API: 15-141-20413
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)
ANHYDRITE TOP	1172' (+776')	1167' (+781')	+778'	+780'
ANHYDRITE BASE	1203' (+745')	1200' (+748')	+744'	-746'
35' TOPEKA	2902' (-954')	2902' (-954')	-978'	-952'
HEEBNER	3102' (-1154')	3106' (-1158')	-1187'	-1157'
LKC "A"	3157' (-1209')	3157' (-1209')	-1240'	-1207'
LKC "B"	3186' (-1238')	3186' (-1238')	-1269'	-1234'
LKC "C"	3207' (-1259')	3204' (-1256')	-1289'	-1253'
LKC "G"	3265' (-1317')	3258' (-1310')	-1343'	-1309'
LKC "H"	3300' (-1352')	3298' (-1350')	-1377'	-1348'
LKC "I"	3321' (-1373')	3321' (-1373')	-1402'	-1372'
LKC "J"	3341' (-1393')	3340' (-1392')	-1421'	-1389'
LKC "K"	3380' (-1432')	3376' (-1428')	-1457'	-1427'
LKC "L"	3408' (-1460')	3404' (-1456')	NA	-1453'
CHEROKEE CONGL	3539' (-1591')	3542' (-1594')	-1633'	-1584'
VIOLA	NO CALL	3615' (-1667')	NA	-1644'
ARBUCKLE	NO CALL	3694' (-1746')	NA	-1754'
RTD	3790' (-1842')	3790' (-1842')	NA	-1842'













SUMMARY OF DAILY ACTIVITY

- 5-21-14 R.U., spud @ 9:30pm, drilling 308'
- 5-22-14 308', 8.5/8" surface casing set at 306.89 w/175 sxs common, 2% gel, 3%cc, WOC
- 5-23-14 1250', drilling
- 5-24-14 2335', drilling, bit trip 2650, survey 3/4", strap .86 short to board
- 5-25-14 2840', drilling, CFS @ 3200, short trip, CTCH, TOWB for DST #1
- 5-26-14 3200', TIHWT, DST #1 3138 to 3200, drilling, CFS @ 3215, CFS @ 3262, CFS @ 3285, CTCH, TOWB for DST #2
- 5-27-14 3285', DST #2 3200 to 3285, drilling, CFS @ 3341, CFS @ 3363, CTCH, mud treatments, TOWB for DST #3, DST #3 3285 to 3363
- 5-28-14 3392', drilling, CFS @ 3495, CFS @ 3567, 3697 stuck in hole, fishing for collar
- 5-29-14 3697', mud treatments, spot oil, work on draw works, continue to work stuck pipe
- 5-30-14 3697', broke loose about 8:00am, TOWB, check string and bit, TIWB, CTCH and get mud back in shape, commence drilling, TD 3790 @ 11:30PM, CTCH, TOWB FOR LOGS, LOGGING
- 5-31-14 lay down pipe, prepare for plugging, cement, release rig

Image Header 02

Image Header 05

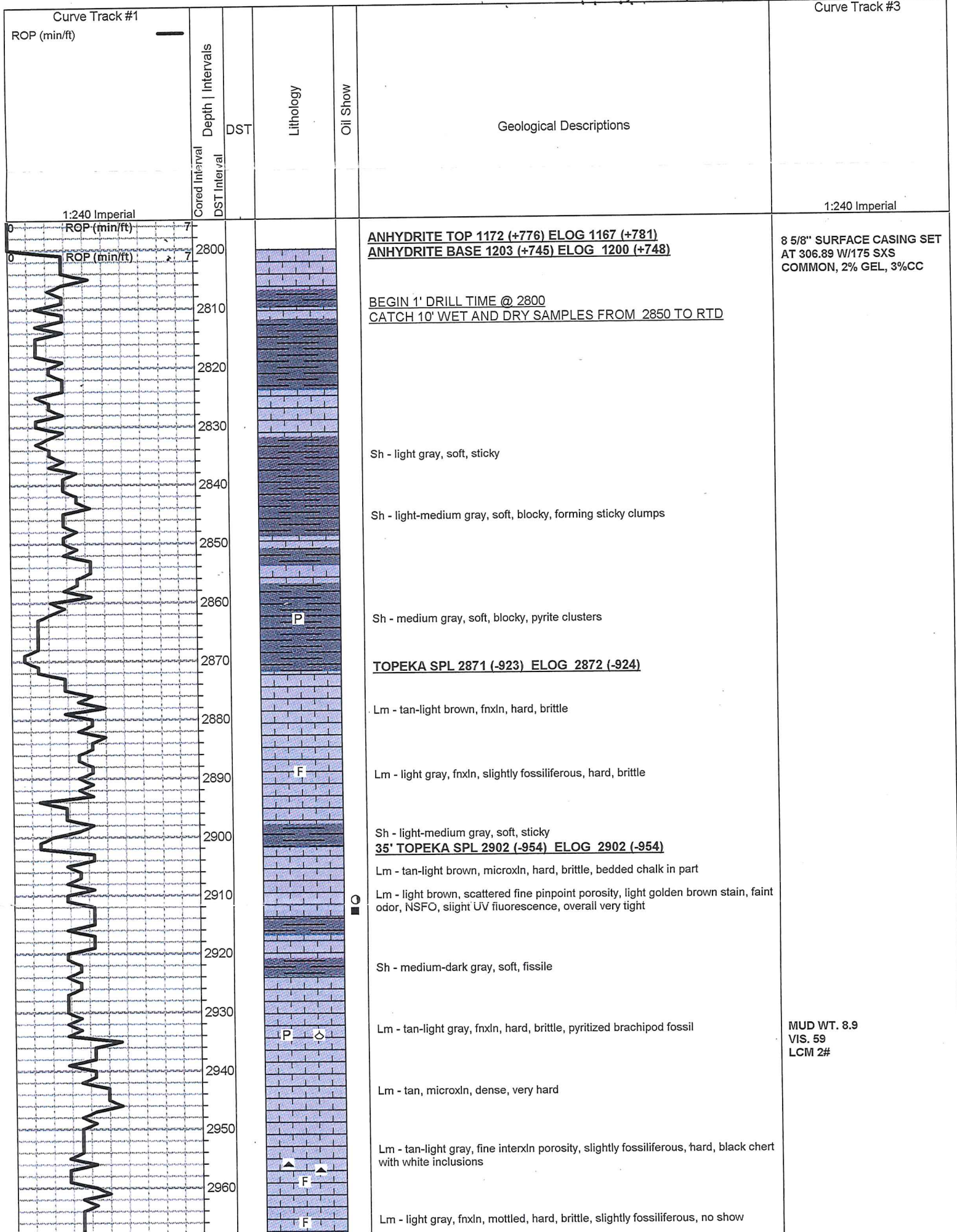
ROCK TYPES

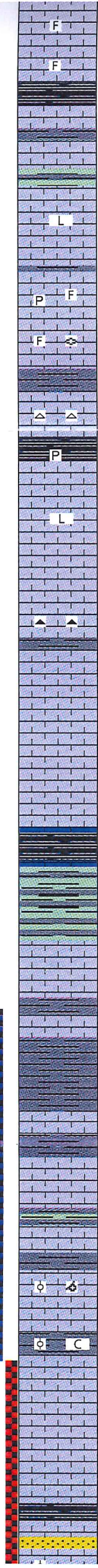
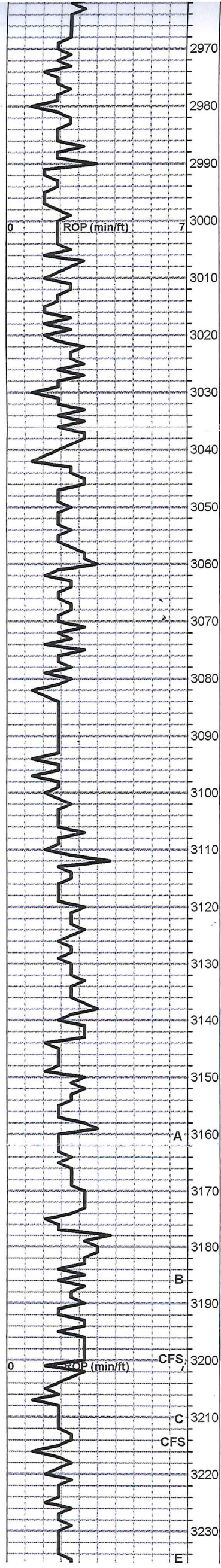
 Congl	 Lmst fw<7	 shale, gry	 Shcol
 Chtcong	 Lmst fw>7	 Carbon Sh	 Ss
 Dolprim	 shale, grn	 shale, red	 Sltst

ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
▲ Chert, dark	◇ Brachiopod	~ Chert	C Chalky
P Pyrite	F Fossils < 20%	▬ Shale	L Lithogr
△ Chert White	○ Oolite	■ red shale	
▨ Euhed rhombs of dol or	⊕ Oomoldic		
	⊕ Fossiliferous		

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Lm - light gray, fnxn, mottled, hard, brittle, slightly fossiliferous, no show

Lm - tan-light gray containing black fossil clasts in fnxn matrix, hard, low to no porosity

Sh - black carbonaceous, waxy

Sh - light gray, soft, sticky

Sh - greenish gray, soft, sticky

Lm - cream-tan, vfxn to lithographic, dense, hard, limited porosity

Lm - cream-light gray, vf-fnxn, dense, hard, brittle, slightly fossiliferous, pyrite

Lm - cream, vfxn, slightly fossiliferous, moderately hard, bedded chalk and fusulinids in part

Lm - medium brown, fnxn, dense, hard, white chert

Sh - black carbonaceous, copper specks, waxy, soft, pyrite

Lm - cream, fnxn to lithographic, dense, brittle, limited porosity, clean and barren

Lm - cream, fossiliferous, limited fine interxn porosity, light brown scattered stain, questionable odor, NSFO, UV fluorescence in some,

Lm - cream-light gray, fnxn, hard, brittle, gray chert

Lm - cream, fnxn to granular, slight gilsonitic stain, NSFO, no odor

Lm - cream, limited fine pinpoint porosity, scattered medium brown to black tar like stain, NSFO, no odor, no fluorescence

Lm - cream, granular, dark brown organic residue, NSFO, no odor

HEEBNER SPL 3102 (-1154) ELOG 3106 (-1158)

Sh - black, carbonaceous, waxy, firm, fissile

Sh - greenish gray, soft, sticky

TORONTO SPL 3129 (-1181) ELOG 3127 (-1179)

Lm - bright white, fnxn, some scattered pinpoint porosity, scattered light golden brown stain, faint odor, streaming wet cut under UV light, NSFO

Sh - light gray, soft blocky

Sh - medium-dark gray, firm, blocky, forming sticky clumps

LKC "A" SPL 3157 (-1209) ELOG 3157 (-1209)

Lm - offwhite-tan, vfxn, dense, hard, low porosity, no shows

Sh - greenish gray, firm, blocky

LKC "B" SPL 3186 (-1238) ELOG 3186 (-1238)

Lm - tan, oolitic / oomoldic, fine pinpoint porosity with scattered vugs, light golden brown stain, faint odor, good streaming wet cut under UV light, SFO upon crush, friable

Lm - tan-offwhite, oolitic, limited development, slight scattered light brown stain, NSFO, no odor, chalky in part

LKC "C" SPL 3207 (-1259) ELOG 3204 (-1256)

Lm - cream, fnxn, hard, some chips with scattered pinpoint porosity and light brown stain, SFO upon crush, faint odor, limited porosity overall, slight UV fluorescence

Lm - buff-tan, vf-microxn, dense, hard, brittle

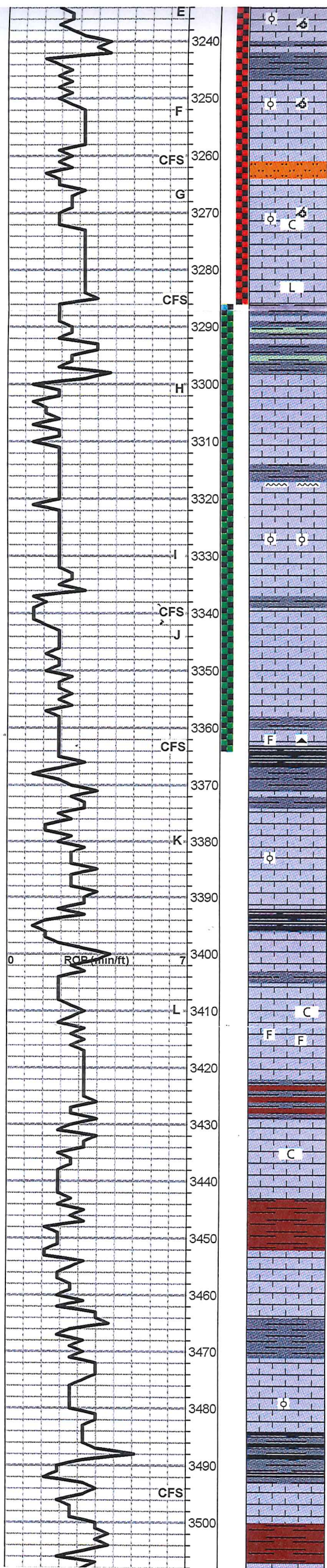
Sh - black, carbonaceous, waxy, firm

Lm - cream, mostly fnxn, some finely oolitic / oomoldic, scattered light brown

DST #1 3138 TO 3200
SEE HEADER FOR TEST SUMMARY

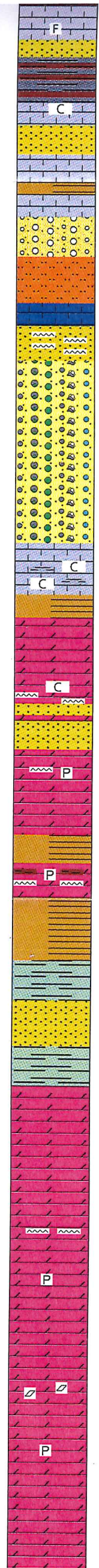
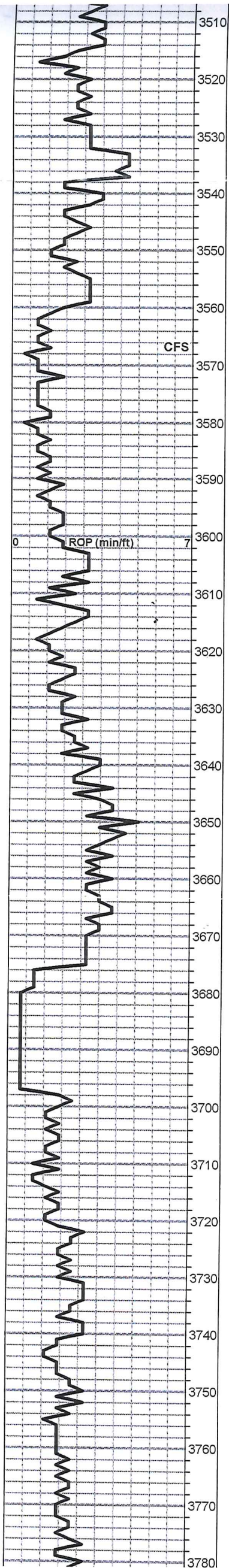
DST #2 3200 TO 3285
SEE HEADER FOR TEST SUMMARY

MUD WT. 9.4
VIS. 48
LCM 2#



Lm - cream, mostly fnxn, some finely oolitic / oomoldic, scattered light brown stain, streaming wet cut under UV light, faint odor, NSFO
 Sh - light-medium gray, soft, blocky
 Lm - buff, oolitic / oomoldic, scattered vuggy porosity, slight scattered light brown stain, SFO upon crush, streaming wet cut under UV light, tight
LKC "G" SPL 3265(-1317) ELOG 3258 (-1310)
 Sh/Siltstone - light-medium gray, earthy, silty, firm, blocky
 Lm - cream-buff, oolitic / oomoldic, friable, sucrosic upon crush, clean and barren, chalky in part
 Lm - cream, microxln, dense, hard, clean and barren
 Lm - cream-tan, microxln to lithographic, dense, very hard
 Sh - greenish gray-brown, earthy, gritty, soft, crumbly
LKC "H" SPL 3300(-1352) ELOG 3298 (-1350)
 Lm - light gray-tan, fnxn, hard, brittle, bedded chalk in part
 Lm - cream-light brown, microxln, dense, very hard, cherty
LKC "I" SPL 3321(-1373) ELOG 3321 (-1373)
 Lm - cream, oolitic with fine interxln porosity, slight scattered light brown stain, some droplets of free oil upon crush, tight overall, faint odor
LKC "J" SPL 3341 (-1393) ELOG 3340 (-1392)
 Lm - light brown, vfxln with scattered pinpoint porosity, slight scattered staining, NSFO, faint odor, no fluorescence
 Lm - cream-light brown, fnxn, dense, hard, some chips with scattered vuggy porosity, slight scattered stain, NSFO, no odor
 Lm - tan, vfxln, dense, hard, fossiliferous brown chert
 Sh - black, carbonaceous, waxy, firm
 Sh - light-medium gray, soft, blocky
LKC "K" SPL 3380 (-1432) ELOG 3376 (-1428)
 Lm - cream, suboolitic, granular, moderate hardness, NSFO, no odor
 Sh - black, carbonaceous, waxy, firm
LKC "L" SPL 3408 (-1460) ELOG 3404 (-1456)
 Lm - buff, fn-medxln, chalky in part, slightly fossiliferous, clean and barren
 Lm - light gray, fossiliferous, fine interxln porosity, dense, hard
BKC SPL 3426 (-1478) ELOG 3421 (-1473)
 Sh - medium gray to maroon, soft, blocky, some very sticky
 Lm - buff, medxln to granular, , chalky in part, moderate hardness
 Sh - maroon, soft, gritty, forming sticky clumps
 Lm - buff-cream, fnxn, dense, very hard, no show
MARMATON "B" SPL 3471 (-1523) ELOG 3470 (-1522)
 Lm - buff, fnxn, hard, brittle
 Lm - buff, oolitic, poorly developed, dense, hard, clean and barren
 Sh - dark gray to black carbonaceous, waxy
 Lm - buff, fnxn, dense, very hard
 Sh - maroon, soft, extremely sticky

DST #3 3285 TO 3363
 SEE HEADER FOR TEST
 SUMMARY



Lm - cream-light brown, slightly fossiliferous, moderate hardness, no show

Sh - maroon/gray, soft, blocky

Lm - cream, microfln, dense, hard, chalky in part

Lm - cream, oolitic, poorly developed, dense, hard, various colored interbedded chert

CHEROKEE CONG. SPL 3539 (-1591) ELOG 3542 (-1594)

Cong - various Lm's hard with abundance of yellow, orange, tan, white cherts, various colored shales

Siltstone - dark red, very well cemented, calcite cement, subangular quartz grains, very hard

Ss - cream-pink, very fine grained, well sorted, well rounded, finely cemented with various colored shales and cherts

Cong - Lm's various colors, mostly fnxln, Cherts yellow, orange, white, tan, gray, Shales, yellow, orange, gray, pinks, purples

Cong - A/A with abundance of various colored cherts, interbedded shales

Cong - A/A

Lm - offwhite, vfxln, dense, very hard, chalky with interbedded shales

VIOLA ELOG 3615 (-1667)

Dolo - medium brown, vfxln, dense, hard, brittle, no shows

Dolo - cream, sandy, well cemented, hard, chalk in part, abundance of various colored cherts and shales, no shows

Ss - light brown, fine grained, well sorted, angular, sucrosic upon crush, only a few clusters

Dolo - buff, sandy, fnxln matrix, dense very hard, cherty as above, pyrite

Sh - various colors, soft, blocky

Dolo - cream with yellow tint, fnxln, limey, dense, hard, cherty with reddish brown soft blocky shale interbeds, pyrite

Sh - lime green, soft, waxy

Ss - white clean clear, very fine quartz grains, well sorted, well rounded, moderate cementation, calcite cement, friable, some loose unconsolidated grains, NSFO, no odor, no fluorescence or wet cut.

ARBUCKLE ELOG 3694 (-1746)

Dolo - light brown, fnxln, slight interfln porosity, hard

Dolo - tan, vfxln, hard, brittle, no shows, no odor

Dolo - cream-tan, fnxln, clean and barren, cherty

Dolo - cream, fnxln, some with scattered pinpoint porosity, no stain, no odor, pyrite

Dolo - cream-tan, fnxln, scattered interfln porosity, clean and barren, hard

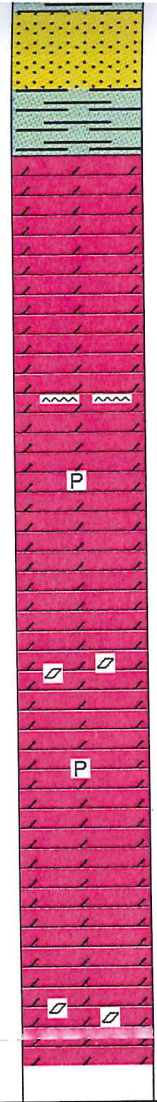
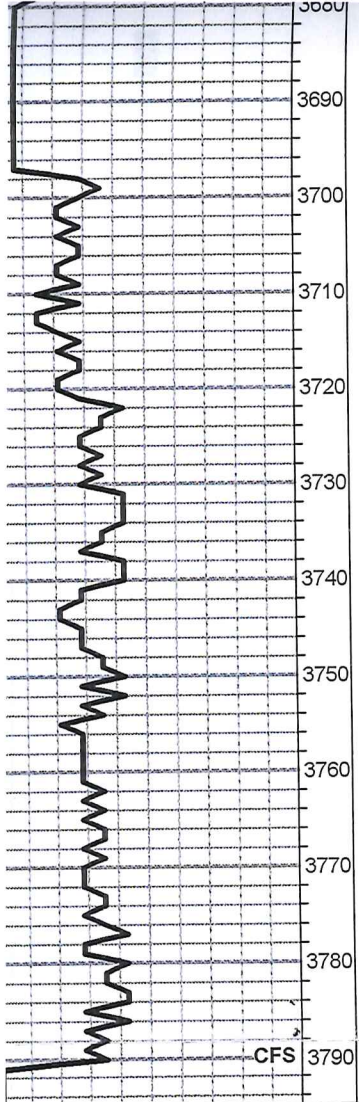
Dolo - tan, fnxln, well developed rhombi crystals

Dolo - light brown to pink, fnxln, moderately hard, pyrite

Dolo - tan, fnxln, slight scattered vuggy porosity, clean and barren

Dolo - cream, medfln, scattered vuggy porosity, dense, brittle, no shows

LOST PUMP PRESSURE;
UNSCREWED COLLAR;
FISHING; STUCK IN HOLE



Ss - white clean clear, very fine quartz grains, well sorted, well rounded, moderate cementation, calcite cement, friable, some loose unconsolidated grains, NSFO, no odor, no fluorescence or wet cut.

ARBUCKLE ELOG 3694 (-1746)

- Dolo - light brown, fnxln, slight interxn porosity, hard
- Dolo - tan, vfxln, hard, brittle, no shows, no odor
- Dolo - cream-tan, fnxln, clean and barren, cherty
- Dolo - cream, fnxln, some with scattered pinpoint porosity, no stain, no odor, pyrite
- Dolo - cream-tan, fnxln, scattered interxn porosity, clean and barren, hard
- Dolo - tan, fnxln, well developed rhombi crystals
- Dolo - light brown to pink, fnxln, moderately hard, pyrite
- Dolo - tan, fnxln, slight scattered vuggy porosity, clean and barren
- Dolo - cream, medxln, scattered vuggy porosity, dense, brittle, no shows
- Dolo - cream-tan, medxln, well developed rhombic crystals, hard, brittle

RTD 3790 (-1842) LTD 3790 (-1842)

LOST PUMP PRESSURE;
UNSCREWED COLLAR;
FISHING; STUCK IN HOLE