



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1140878
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: _____



1140878

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
--	---

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
----------------	-------	---------	------------	---

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	STECKLEIN 1-24
Doc ID	1140878

All Electric Logs Run

INDUCTION
MICRO
NEU-DEN
SONIC
SPECTRAL

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

May 21, 2013

CLAYTON CAMOZZI
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-051-26397-00-00
STECKLEIN 1-24
SE/4 Sec.24-14S-18W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
CLAYTON CAMOZZI



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 1/31/2013
 Invoice # 6373
 P.O.#:
 Due Date: 3/2/2013
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

RECEIVED

FEB 08 2013

SAMUEL GARY JR.
 & ASSOCIATES, INC.

Reference:
 STECKLIN 1-24

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE G

Amount: 8200.138

Project:

Mark:

APR:

DATE:

SCOPE:

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	8	\$50.72	No
Common-Class A	475	\$ 6,467.06	Yes				
8 5/8" Basket	3	\$ 1,029.26	Yes				
Bulk Truck Matl-Material Service Charge	501	\$ 1,087.89	No				
Calcium Chloride	17	\$ 879.67	Yes				
Flo Seal	120	\$ 260.57	Yes				
8 5/8" Centralizer	3	\$ 208.46	Yes				
Premium Gel (Bentonite)	9	\$ 159.08	Yes				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				
Pump Truck Mileage-Job to Nearest Camp	8	\$ 86.68	No				

Invoice Terms:

Net 30

SubTotal: \$ 11,433.57
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,715.04)

SubTotal for Taxable Items:	\$ 7,834.36
SubTotal for Non-Taxable Items:	\$ 1,884.18
Total:	\$ 9,718.53
Tax:	\$ 493.56

6.30% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 10,212.09
Applied Payments:
Balance Due: \$ 10,212.09

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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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. 6373

Date	1-30-13	Sec.	24	Twp.	14	Range	18	County	Ellis	State	On Location	Finish		
								Location					Munroe 1/2 N West 1/4	
Lease	Stecklein			Well No.	1-24			Owner	Munroe 1/2 N West					
Contractor	Discovery 2			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													
Hole Size	12 1/4			T.D.	935			Charge To	Sam Gary Jr & Assoc.					
Csg.	8 5/8			Depth	935			Street	7					
Tbg. Size				Depth				City	State					
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.						
Cement Left in Csg.	41.99			Shoe Joint	41.99			Cement Amount Ordered	30 30 1/2 1/2 gel					
Meas Line	23 #			Displace	56.34			1/4 flow	4757					
EQUIPMENT								Common	475					
Pumptrk	S			No.	Cement Helper			Poz. Mix						
Bulktrk	12			No.	Driver			Gel.	9					
Bulktrk	04			No.	Driver			Calcium	17					
JOB SERVICES & REMARKS								Hulls						
Remarks:									Salt					
Rat Hole	Stecklein 1-24								Flowseal	120 #				
Mouse Hole									Kol-Seal					
Centralizers	1 # 10 # 20								Mud CLR 48					
Baskets	2 # 11 # 21								CFL-117 or CD110 CAF 38					
D/V or Port Collar									Sand					
Cement did circulate								Handling	501					
								Mileage						
								FLOAT EQUIPMENT						
								Guide Shoe						
								Centralizer	3					
								Baskets	3					
								AFU Inserts						
								Float Shoe						
								Latch Down						
								Baffle plate						
								Rubber Plug						
								Pumptrk Charge	Long Surface					
								Mileage	8					
<div style="text-align: right;">  </div>								Tax						
								Discount						
								Total Charge						

X Signature



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 2/6/2013
 Invoice # 6406
 P.O.#:
 Due Date: 3/8/2013
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

RECEIVED

FEB 12 2013

**SAMUEL GARY JR.
 & ASSOCIATES, INC.**

DRLG COMP W/O LOE GG

Account	8200.145
Well/Prospect	
Deck	
AFE	
Approval	RB
Description	

Reference:
 STECKLEIN 1-24

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,239.23	Yes				
Common-Class A	150	\$ 2,042.23	Yes				
Bulk Truck Matl-Material Service Charge	259	\$ 562.40	Yes				
POZ Mix-Standard	100	\$ 499.43	Yes				
Premium Gel (Bentonite)	9	\$ 159.08	Yes				
Pump Truck Mileage-Job to Nearest Camp	8	\$ 86.68	Yes				
Dry Hole Plug	1	\$ 60.80	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	8	\$ 50.72	Yes				

Invoice Terms:

Net 30		SubTotal: \$ 4,700.58
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (705.09)
<hr/>		
	SubTotal for Taxable Items:	\$ 3,995.49
	SubTotal for Non-Taxable Items:	\$ -
<hr/>		
	Total:	\$ 3,995.49
	Tax:	\$ 251.72
	Amount Due:	\$ 4,247.21
	Applied Payments:	
	Balance Due:	\$ 4,247.21

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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6.30% Ellis County Sales Tax

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. 6406

Date	2-4-13	Sec.	24	Twp.	14	Range	16	County	ELLIS	State	KANSAS	On Location		Finish	4:00 pm
------	--------	------	----	------	----	-------	----	--------	-------	-------	--------	-------------	--	--------	---------

Lease STECKLEIN Well No. #1-24 Location MUNJOR 1/2 N. W. INTO

Owner SAM GARY JR.
To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Contractor D.D #2

Type Job P.T.A

Hole Size 7 7/8" T.D. 3650' Charge To SAM GARY JR.

Csg. 4 1/2" Depth Street 1515 WYNKOOP - STE

Tbg. Size Depth City DENVER State CO, 80202

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

Cement Left in Csg. Shoe Joint Cement Amount Ordered 250 60% 40% 4% GEL

Meas Line Displace

EQUIPMENT

Pumptrk #15	No.	Cementer		Common	150
		Helper	NICK	Poz. Mix	100

Bulktrk #10	No.	Driver	HEATH	Gel.	9
Bulktrk #10	No.	Driver	CISCO	Calcium	

JOB SERVICES & REMARKS

Remarks: Salt

Rat Hole Flowseal 62#

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

1st @ 3,515' 50 SKS Handling 259

2nd @ 1,175' 25 SKS Mileage

3rd @ 950' 40 SKS **FLOAT EQUIPMENT**

4th @ 450' 80 SKS Guide Shoe

5th @ 40' 10 SKS Centralizer

RATHOLE 30 SKS Baskets

MOUSE HOLE 15 SKS AFU Inserts

250 SKS TOTAL Float Shoe

Latch Down

1'- 8 5/8" WOODEN PLUG

Pumptrk Charge Plug

Mileage 8

Signature [Signature] Tax

Discount Total Charge



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr., & Associates

24-14s-18w-Ellis

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Clayton Camozzi

Stecklein #1-24

Job Ticket: 50527

DST#: 1

Test Start: 2013.02.03 @ 23:26:02

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:13:32

Time Test Ended: 07:23:47

Test Type: Conventional Straddle (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3530.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3653.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8789 Inside

Press @ RunDepth: 34.58 psig @ 3531.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.03

End Date:

2013.02.04

Last Calib.: 2013.02.04

Start Time: 23:26:04

End Time:

07:23:47

Time On Btm: 2013.02.04 @ 02:13:02

Time Off Btm: 2013.02.04 @ 04:42:47

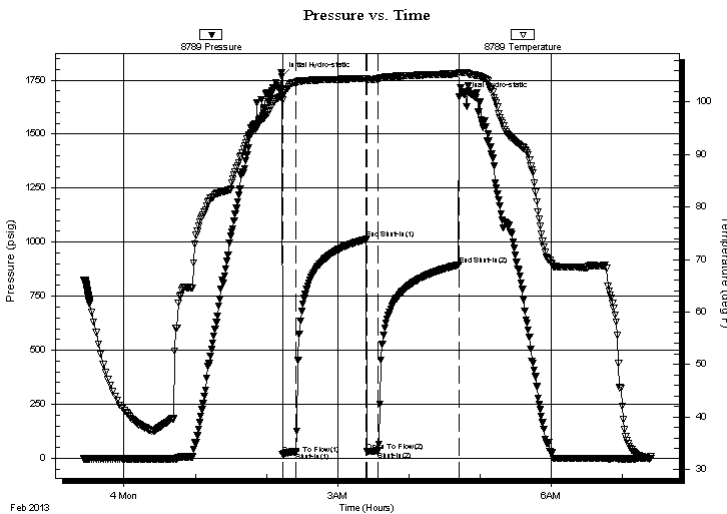
TEST COMMENT: IFP-Weak Blow , Built to 1/2"

ISI-Dead

FP-Weak Blow ,Built to 1/4"

FSI-Dead

PRESSURE SUMMARY



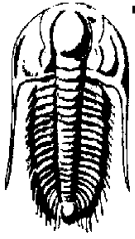
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.86	101.16	Initial Hydro-static
1	17.99	100.36	Open To Flow (1)
12	29.49	103.73	Shut-In(1)
72	1013.85	104.52	End Shut-In(1)
72	32.63	104.13	Open To Flow (2)
81	34.58	104.40	Shut-In(2)
149	896.11	105.39	End Shut-In(2)
150	1674.44	105.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCWM-3%O-5%W-92%M	0.05
40.00	Free Oil	0.38

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr., & Associates

24-14s-18w-Ellis

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Clayton Camozzi

Stecklein #1-24

Job Ticket: 50527

DST#: 1

Test Start: 2013.02.03 @ 23:26:02

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:13:32

Time Test Ended: 07:23:47

Test Type: Conventional Straddle (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3530.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3653.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6668 Below (Straddle)

Press @ Run Depth: psig @ 3554.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.03

End Date:

2013.02.04

Last Calib.:

2013.02.04

Start Time: 23:22:09

End Time:

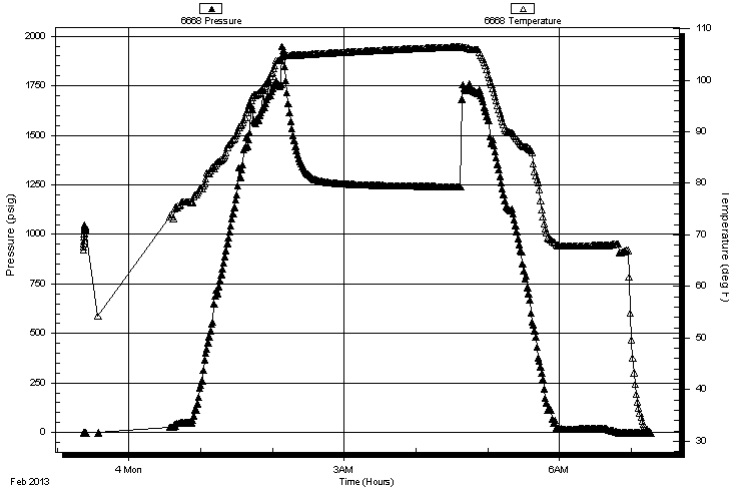
07:16:58

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Weak Blow , Built to 1/2"
ISI-Dead
FP-Weak Blow ,Built to 1/4"
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCWM-3%O-5%W-92%M	0.05
40.00	Free Oil	0.38

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr., & Associates

24-14s-18w-Ellis

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Clayton Camozzi

Stecklein #1-24

Job Ticket: 50527

DST#: 1

Test Start: 2013.02.03 @ 23:26:02

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:13:32

Time Test Ended: 07:23:47

Test Type: Conventional Straddle (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3530.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3653.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8736

Fluid

Press @ Run Depth: psig @ 3496.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.03

End Date:

2013.02.04

Last Calib.:

2013.02.04

Start Time: 23:20:59

End Time:

07:18:23

Time On Btm:

Time Off Btm:

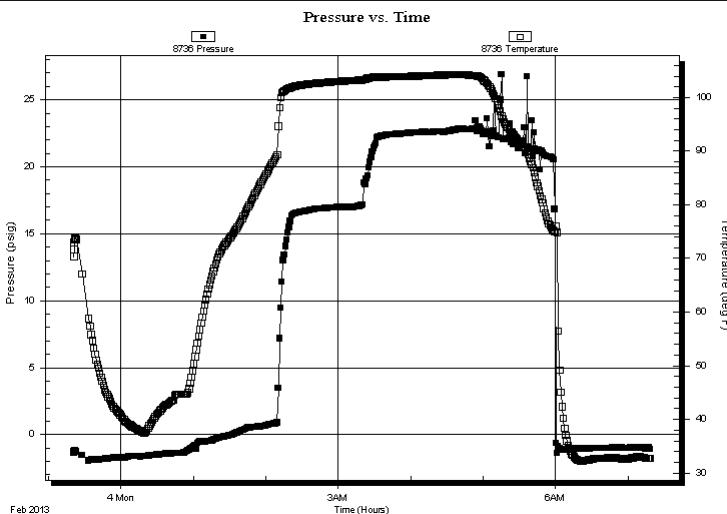
TEST COMMENT: IFP-Weak Blow , Built to 1/2"

ISI-Dead

FP-Weak Blow ,Built to 1/4"

FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SOCWM-3%O-5%W-92%M	0.05
40.00	Free Oil	0.38

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr., & Associates

24-14s-18w-Ellis

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Clayton Camozzi

Stecklein #1-24

Job Ticket: 50527

DST#: 1

Test Start: 2013.02.03 @ 23:26:02

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 23 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 27000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

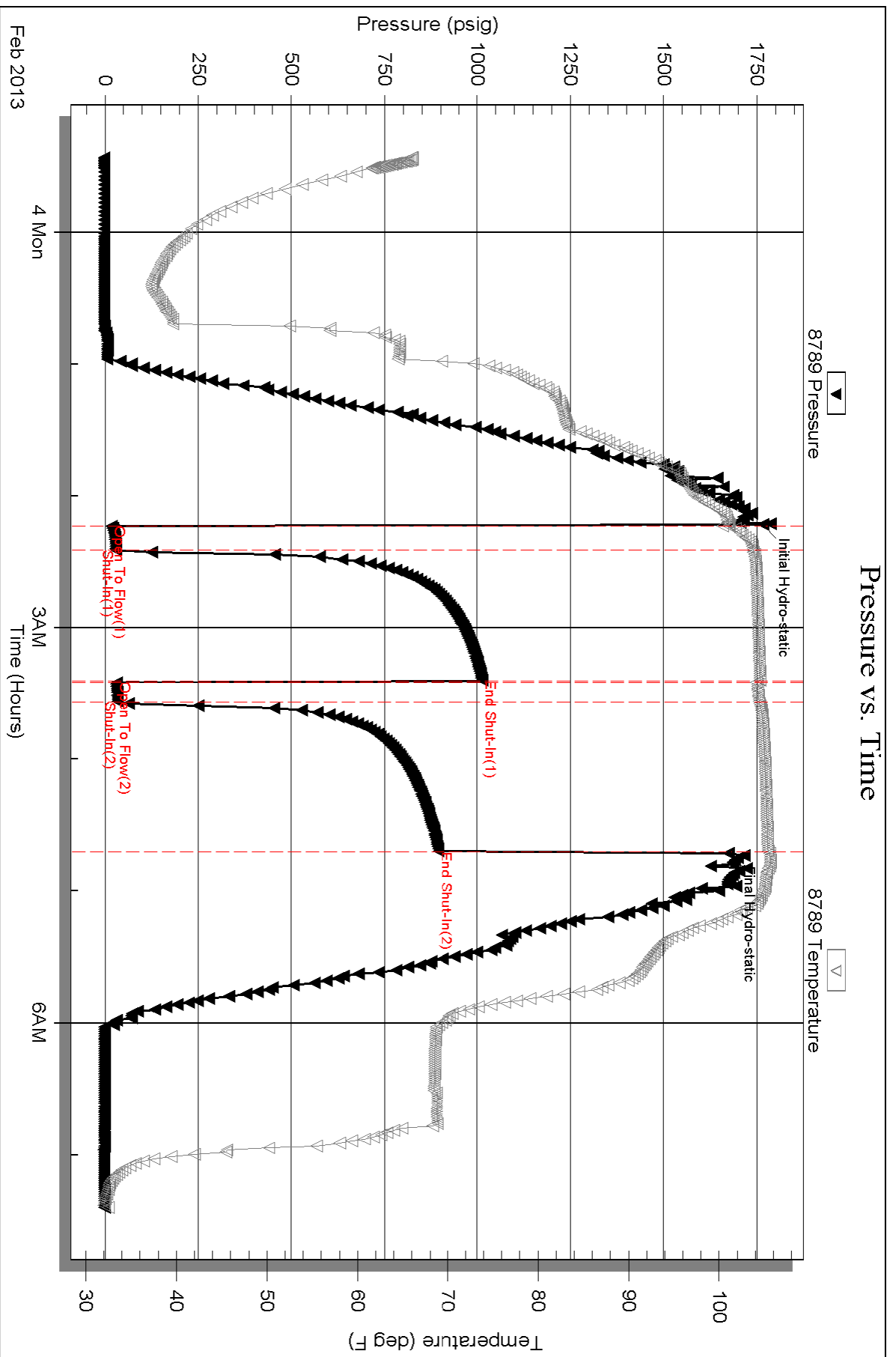
Length ft	Description	Volume bbl
10.00	VSOCWM-3%O-5%W-92%M	0.049
40.00	Free Oil	0.379

Total Length: 50.00 ft Total Volume: 0.428 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler: 125#, 2800ml W, 200ml Oil

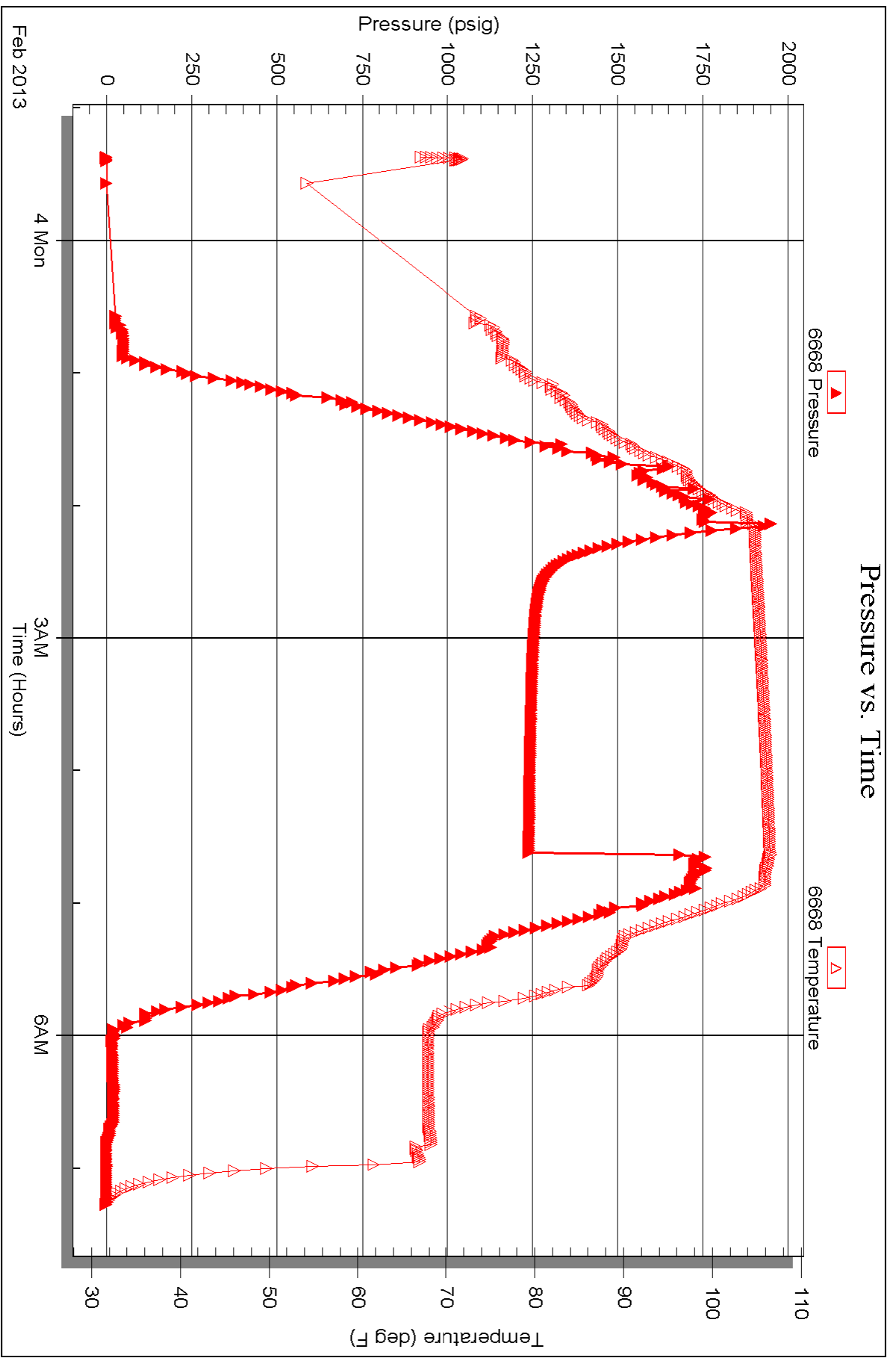


Serial #: 6668

Below (Stratton) Gary Jr., & Associates

Stecklein #1-24

DST Test Number: 1



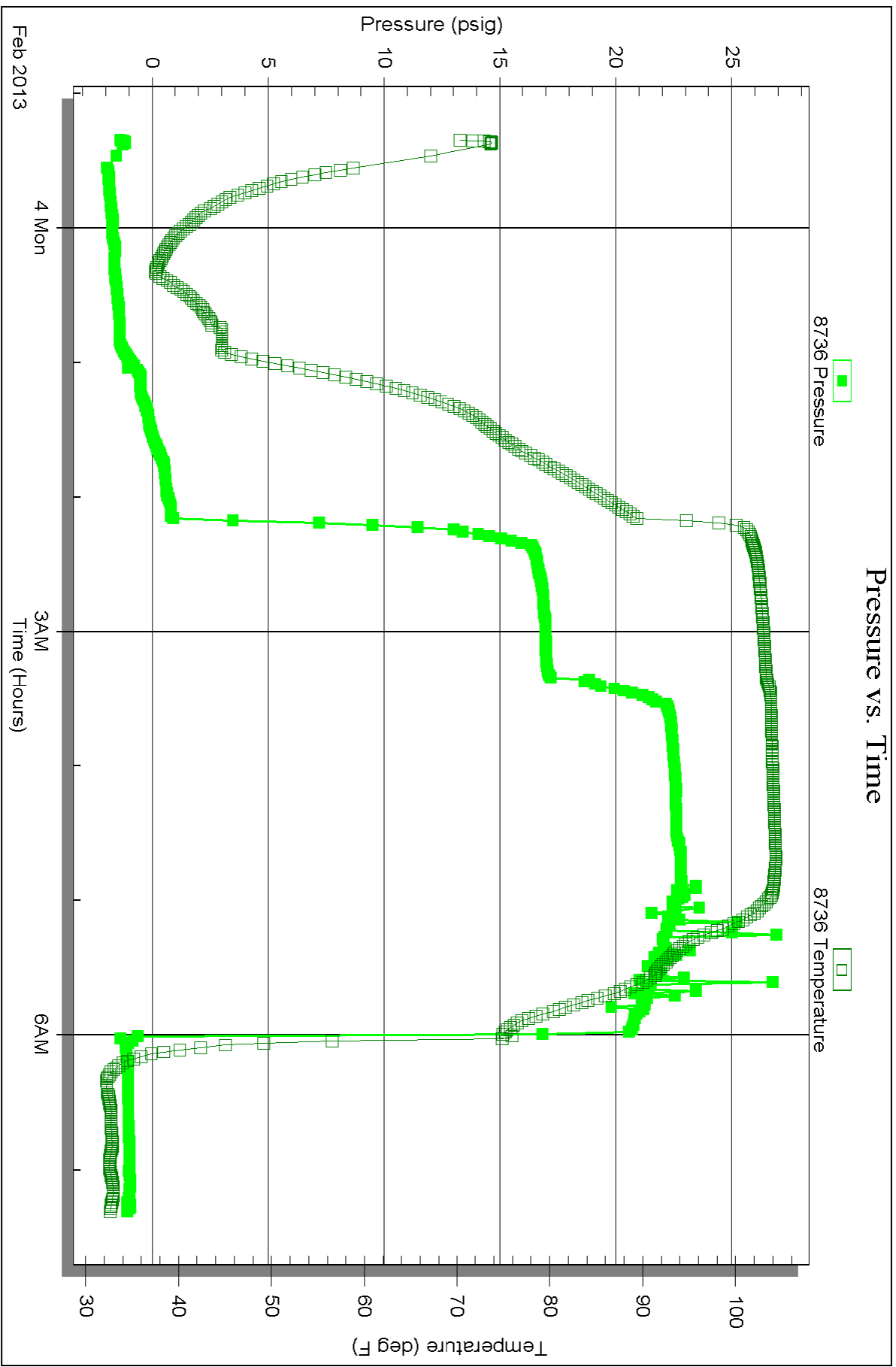
Serial #: 8736

Fluid

Samuel Gary Jr., & Associates

Secklein #1-24

DST Test Number: 1





Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: SGA Stecklein 1-24
 Location: Sec. 24 - 14S - 18W Ellis County, Kansas
 License Number: 15-051-26397-0000
 Spud Date: Jan 30, 2013
 Surface Coordinates: 1240 FSL/ 480 FEL
 Region: WILDCAT
 Drilling Completed: Feb 3, 2013

Bottom Hole Coordinates:
 Ground Elevation (ft): 1941' K.B. Elevation (ft): 1949'
 Logged Interval (ft): 2925' To: 3650' Total Depth (ft): 3650'
 Formation: LANSING/ ARBUCKLE
 Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Samuel Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Colo. 80202
 Geo: Clayton Camozzi

GEOLOGIST

Name: Aaron Suelter
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 620-600-0777

DST's Report

DST#1 3530'-3540' 10 60 10 60
 IF- WEAK BLOW, BUILT TO 1/2" ISI- DEAD/ FF- WEAK BLOW, BUILT TO 1/4" FSI- DEAD
 IH- 1766, FH- 1674/ IF-18 TO 33/ FF- 29 TO 35/ ISI- 1014, FSI- 896
 RECOVERY- 40' OIL/ 10' VSOCWM 3% OIL, 5% WATER, 92% MUD
 SAMPLER- 2800ML WATER, 200 ML OIL

ROCK TYPES

Anhy	Gyp	Shgy	Sandylms
Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlysits
Clyst	Mrlst	Carb sh	Sitysh
Coal	Salt	Dol	Lms
Congl	Shale	Dtd	
Dol	Shcol	Gry sh	

ACCESSORIES

MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Sity	Fuss	
Chtlt		Oomold	
Dol	FOSSIL	STRINGER	TEXTURE
Feldspar	Algae	Anhy	Boundst
Ferrpel	Amph	Arg	Chalky
Ferr	Belm	Bent	Cryxln
Glau	Bioclst	Coal	Earthy
Gyp	Brach	Dol	Finexln
Hvymin	Bryozoa	Gyp	Grainst
Kaol	Cephal	Ls	Lithogr
Marl	Coral	Mrst	Microxln
Minxl	Crin	Sltstrg	Mudst
Nodule	Echin	Ssstrg	Packst
Phos	Fish	Carbsh	Wackest
Pyr	Foram		

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- B Fenest
- F Fracture
- X Inter
- A Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- S Subrnd
- a Subang

- A Angular

OIL SHOWS

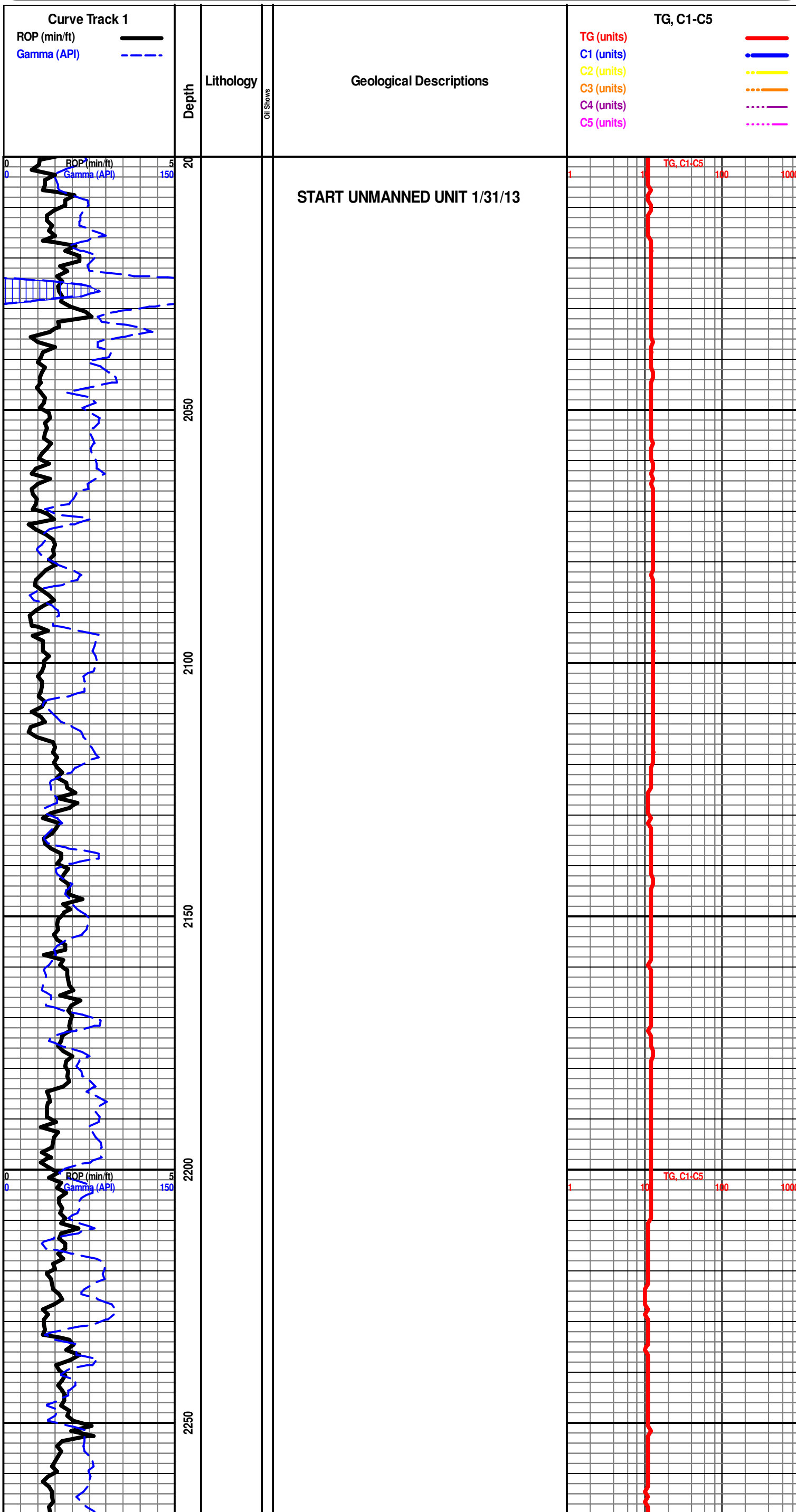
- E Even
- S Spotted
- Q Ques
- D Dead
- G Gas show

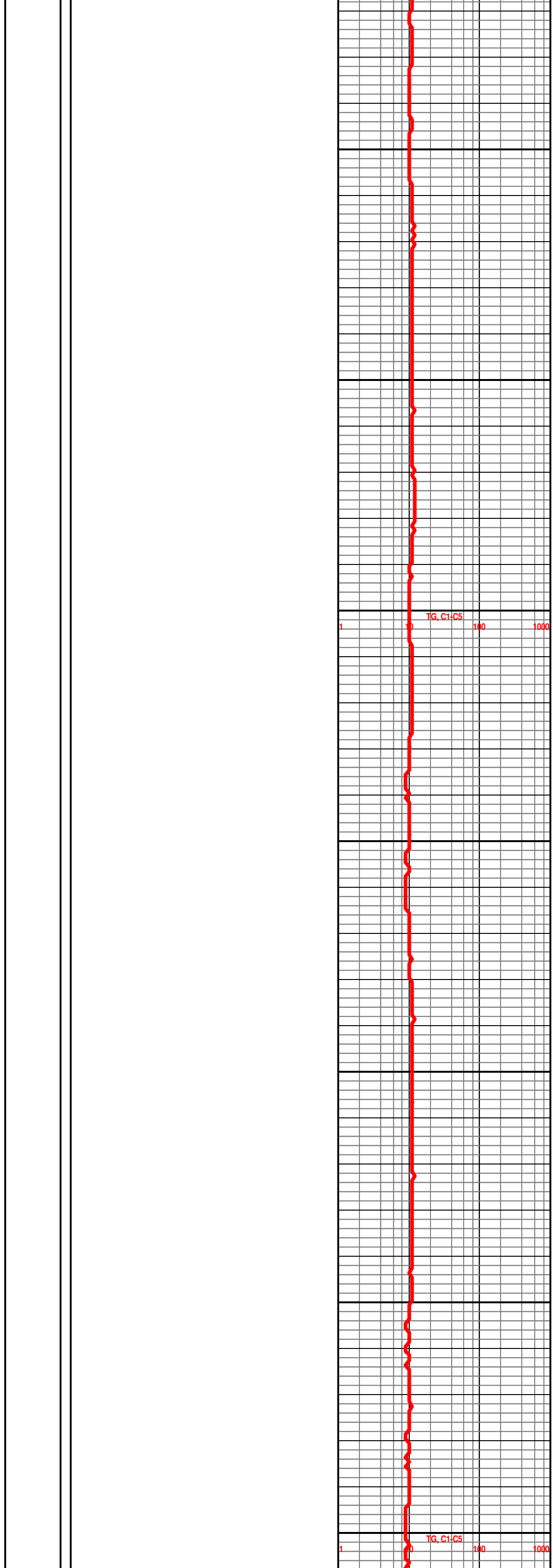
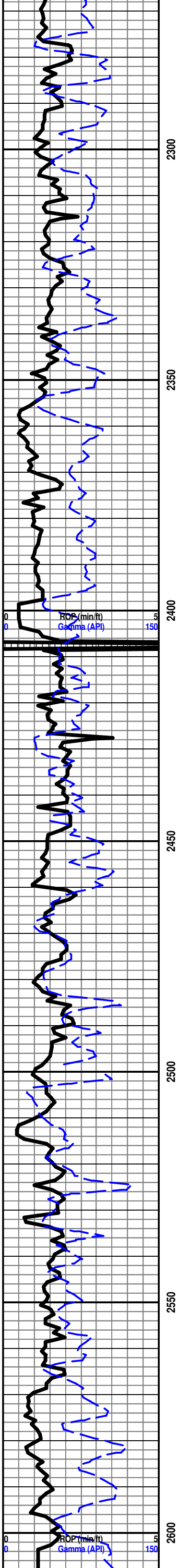
INTERVALS

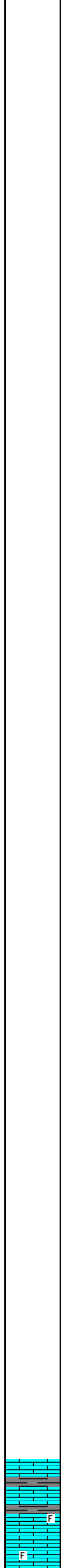
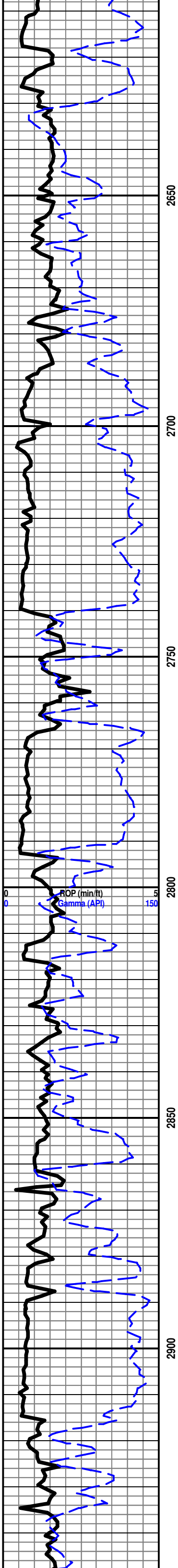
- Core
- Dst
- Dst

EVENTS

- Rft
- Sidewall





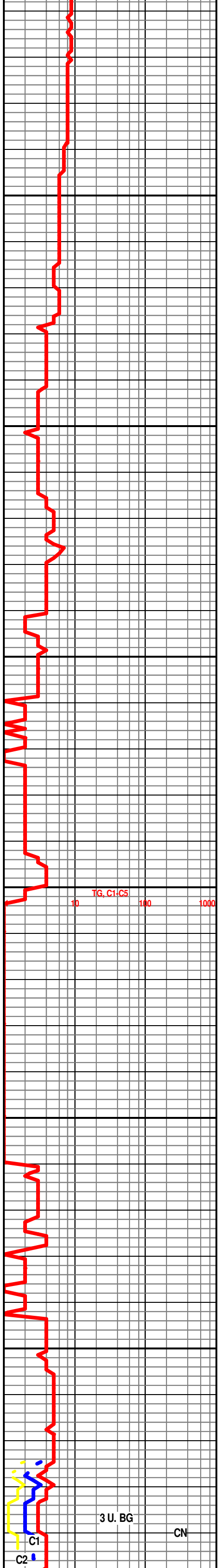


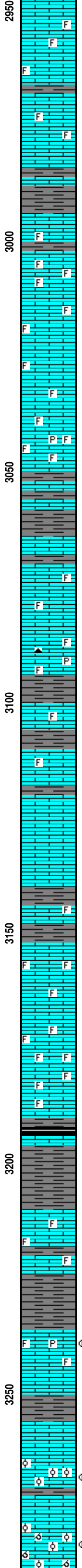
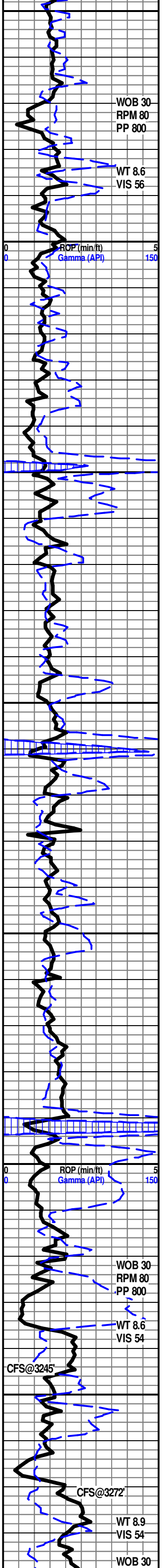
HOWARD 2915' -966'

START 24 HOUR MANNED UNIT 2/1/13

SH- GY TO DK GY, SFT GMMY

LS- CRM TO TN, HD DNS TO BRIT IP, F TO MD XLN RE-XLN
MTRX, S-SUCRO IP, SCAT IMBD FOSS FRG IP, NO VIS
FLO, NO VIS POR, NO VIS SHOW





LS- OFF WHT TO TN, HD DNS TO BRIT, F XLN RE-XLN MTRX, S-CHLKY, S-SUCRO IP, SCAT IMBD FOSS FRGS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

TOPEKA 2968' -1019'

LS- OFF WHT TO TN, HD DNS TO V/BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY, TR SCAT IMBD FOSS FRG THRU, SLI TR IMBD CALC XLS IP, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRN BRWN TO GY, FRM BLKY TO SFT GMMY, SLTY TXT

LS- LT TN TO TN, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, S-SUCRO, S-CHLKY IP, IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO DK TN, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG IP, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO DK TN, HD DNS TO BRIT, F XLN MD XLN RE-XLN MTRX, S-SUCRO, SCAT IMBD FOSS FRG IP, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO DK TN, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG IP, TR IMBD DISS PYR IP, SLI TR IMBD CALC XLS IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRN BRWN GY TO DK GY, FRM BLKY, SMTH TO SLTY TXT

LE COMPTON 3070' -1121'

LS- LT TN TO TN, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-SUCRO, SCAT IMBD FOSS FRG THRU, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO, SCAT IMBD FOSS FRG THRU, SLI TR IMBD PYR IP, SLI TRY BLK CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN TO GY, FRM BLKY TO SFT GMMY, SLTY TXT

LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO, S-CHLKY IP, SLI TR IMBD FOSS FRG, SLI TR IMBD CALC XLS, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SLI TR IMBD CALC XLS IP, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SCAT IMBD FOSS FRG IP, SLI TR IMBD CALC XLS IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, IMBD FOSS FRGS THRU, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3190' -1241'

SH- BLCK, SFT, CARB

SH- GRN BRWN GY TO DK GY, FRM BLKY, SMTH TXT

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, S-SUCRO, TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

DOUGLAS 3224' -1275'

SH- GRN BRWN GY TO DK GY, FRM BLKY TO SFT GMMY, SMTH TXT

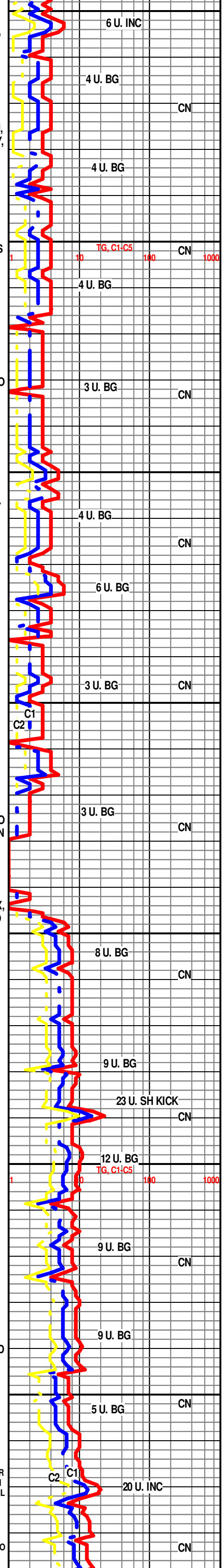
LANSING 3236' -1287'

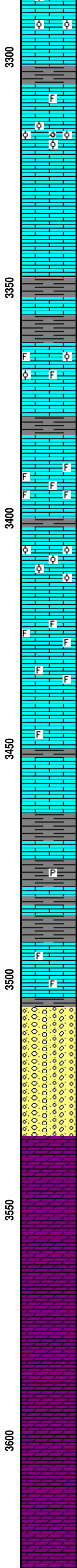
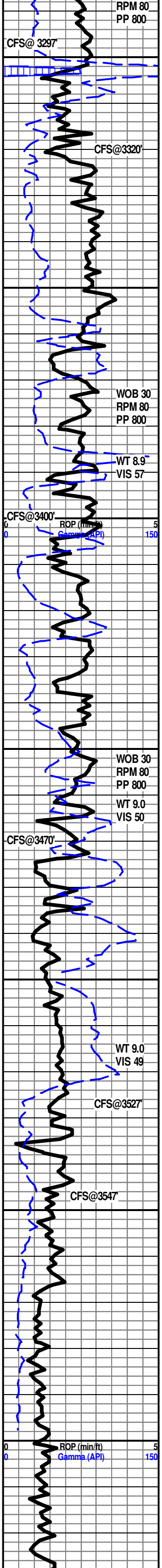
3238'-3239' LS- CRM TO LT TN W/ LT TN OIL STN IN 50%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, IMBD FOSS FRG IP, SLI TR IMBD CALC XLS ON ONE FACES, SLI TR IMBD PYR IP, BRT YEL GLD FLO IN 60%, V/PR INTR XLN POR IN 2%, POS FRCT POR, PR TO FR FLSH CUT IN 30%, PR TO FR SLW STRM IN 60%, NO LCH ON DISH, WK OIL ODOR

LANSING "C" 3259' -1310'

3273'-3278' LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, ABDT IMBD OOL THRU, SLI TR IMBD CALC XLS IP, TR SFT WHT CHLK IN TRAY, BRT YEL GLD FLO IN 25%, PR INTR XLN POR IN 2%, NO FLSH CUT, PR TO FR SLW STRM IN 20%, NO LCH ON DISH, NO OIL ODOR

3281'-3283' LS- LT TN TO TN W/ TN OIL STN IN 60%, HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD OOL THRU, OOLMLD THRU, DUL YEL GLD FLO IN 60%, BRT YEL GLD FLO IN 5%, FR OOLMLD POR IN 5%, PR TO FR VUG POR IN 3%, FR TO GD FLSH CUT IN 40%, GD TO VGD SLW STRM IN 5%, LT TN LCH ON DISH, FR OIL ODOR





3292'-3293' LS- OFF WHT TO CRM W/ TN OIL STN IN 25%, HD DNS, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 25%, PR TO FR VUG POR IN 3%, FR FLSH CUT IN 30%, FR SLW STRM IN 30%, LT TN LCH ON DISH

LANSING "F" 3305' -1356'
 LS- OFF WHT TO CRM, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SLI TR IMBD FOSS FRG IP, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

3317'-3318' LS- OF WHT TO LT TN W/ 50%, LOS IN 5%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, OOLMLD IP, DUL YEL GLD FLO IN 15%, FR OOLMLD POR IN 5%, FR VUG POR IN 3%, PR TO FR INTR OOL POR IN 3%, FR TO GD FLSH CUT IN 50%, FR TO GD SLW STRM IN 60%, LT TN LCH ON DISH WK OIL ODOR

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- RED BRWN TO DK GY, FRM BLKY, SMTH TXT

LANSING "H" 3362' -1413'
 3374'-3379' LS- CRM TO LT TN W/ TN OIL STN IN 40%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SCAT IMBD OOL IP, TR IMBD FOSS FRG IP, DUL YEL GLD FLO IN 30%, BRT YEL GLD FLO IN 10%, PR MICRO VUG POR IN 5%, PR TO FR INTR XLN POR IN 5%, FR FLSH CUT IN 40%, FR TO GD SLW STRM IN 50%, TN LCH ON DISH, FR OIL ODOR

3390'-3392' LS- OFF WHT TO CRM W/ TN OIL STN IN 50%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, DUL YEL GLD FLO IN 10%, PR TO FR INTR XLN POR IN 3%, PR TO FR INTR FOSS POR IN 3%, WK FLSH CUT IN 20%, PR TO FR SLW STRM IN 40%, NO LCH ON DISH

3404'-3407' LS- CRM TO LT TN W/ TN OIL STN IN 10%, HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD OOL THRU, TR OOLMLD IP, DUL YEL GLD FLO IN 30%, FR INTR OOL POR IN 4%, FR OOLMLD POR IN 2%, FLSH CUT IN 20%, FR TO GD SLW STRM IN 40%, LT TN LCH ON DISH

LS- CRM TO LT TN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, TR SCAT IMBD FOSS FRG IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, TR SCAT IMBD FOSS FRG IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN GY TO DK GY, FRM BLKY, SMTH TXT

BKC 3474' -1525'
 SH- GRN RED BRWN TO DK GY, FRM BLKY, SLTY TXT, SLI TR IMBD PYR

SH- GRN BRWN TO DK GY, FRM BLKY TO SFT GMMY, SLTY TXT

LS- CRM TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, SCAT IMBD FOSS FRG IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, SH- GRN BRWN TO DK GY, FRM BLKY TO SFT GMMY, SMTH TO SLTY TXT, CHRT-FRSTY OFF WHT TO TN

ARBUCKLE 3535' -1586'
 3535'-3537' DOLO- CRM TO LT TN W/ TN OIL STN IN 50%, DK TN OIL STN IN 40%, HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD SM TO CRS S-ANG TO RND DOLO GRNS THRU, TR IMBD MD RND QRTZ XLS IP, DUL YEL GLD FLO IN 80%, FR TO GD INTR GRN POR IN 15%, GD FLSH CUT IN 90%, GD MLKY BLU SLW STRM IN 90%, DK TN LCH ON DISH, WK OIL ODOR

3545'-3546' DOLO- CRM TO LT TN W/ TN OIL STN IN 85%, DK TN OIL STN IN 5%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO CRST S-ANG TO S-RND DOLO GRNS THRU, SLI TR SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 80%, BRT YEL GLD FLO IN 10%, FR TO GD INTR GRN POR IN 10%, GD FLSH CUT IN 90%, GD MLKY BLU SLW STRM IN 90%, DK TN LCH ON DISH, WK OIL ODOR

3552'-3553' DOLO- CRM TO LT TN, W/ DK TN OIL STN IN 80%, TN OIL STN IN 5%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO CRS S-ANG TO S-RND DOLO GRNS THRU, TR OIL DROPLETS IN TRAY, DUL YEL GLD FLO IN 80%, FR INTR GRN POR IN 10%, GD FLSH CUT IN 90%, GD MLKY BLU SLW STRM IN 90%, DK TN LCH ON DISH, WK OIL ODOR

3562'-3564' DOLO- OFF WHT TO CRM W/ DK TN OIL STN IN 50%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO S-RND DOLO GRNS THRU, DUL YEL GLD FLO IN 50%, FR INTR GRN POR IN 10%, GD FLSH CUT IN 60%, GD MLKY BLU SLW STRM IN 60%, TN LCH ON DISH

3573'-3574' DOLO- CRM TO LT TN W/ DK TN OIL STN IN 85%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT

