

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1240248
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: _____

1240248

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CHARGE TO: American Warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 27982

PAGE 1 OF 2

SERVICE LOCATIONS 1. Nuss City KS
 WELL/PROJECT NO. 4-10 LEASE Hoelscher COUNTY/PARISH Rice STATE KS CITY Bushton DATE 13 NOV 14 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. SHIPPED VIA CT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Developments JOB PURPOSE concrete long string WELL PERMIT NO. WELL LOCATION 10-18-10
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	80	in			6.00	480.00
578		1			Pump Charge	1	ea			1500.00	1500.00
402		1			Centralizer	52	in	8	ea	70.00	560.00
403		1			Cement Basket	52	in	1	ea	300.00	300.00
406		1			Latch down plug & baffle	52	in	1	ea	275.00	275.00
407		1			INSERT float shoe w/ AUTO FILL	52	in	1	ea	375.00	375.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]
 DATE SIGNED TIME SIGNED A.M. P.M.
 2015

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 1	3490.00
2	5964.50
subtotal	9454.50
Rice TAX 7.15%	456.99
TOTAL	9911.49

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

Handwritten notes in the top left corner, possibly including a date or reference number.

Handwritten notes in the top middle section, appearing to be a list or series of entries.

Handwritten notes in the top right section, possibly a continuation of the list or a separate entry.

Handwritten notes in the middle left section, possibly a detailed description or calculation.

Handwritten notes in the middle middle section, possibly a list or series of entries.

Handwritten notes in the middle right section, possibly a continuation of the list or a separate entry.

Handwritten notes in the bottom left section, possibly a summary or conclusion.

Handwritten notes in the bottom middle section, possibly a list or series of entries.

Handwritten notes in the bottom right section, possibly a continuation of the list or a separate entry.



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 27982

CUSTOMER American Warrior
WELL Hoelcker 4-10
DATE 13 NOV 14
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				STANDARD cement (for EA-2)	175	sk			14.50	2537.50
284		1				calseal	800	lb	8	sk	35.00	280.00
283		1				salt	900	lb			0.20	180.00
292		1				mlad-322	125	sk			8.00	1000.00
276		1				flocele	50	lb			2.50	125.00
281		1				mid flush	500	gal			1.25	625.00
221		1				KCL liquid	2	gal			25.00	50.00
290		1				D-AIR	2	gal			42.00	84.00
581						SERVICE CHARGE	175	CUBIC FEET			2.00	350.00
583						MILEAGE CHARGE	1832.5	TOTAL WEIGHT	80	LOADED MILES	733	733.00

CONTINUATION TOTAL 5962.50

JOB LOG

SWIFT Services, Inc.

DATE 13 Nov 14 PAGE NO.

CUSTOMER American Warrior

WELL NO. 4-10

LEASE Hoelscher

JOB TYPE cement long string

TICKET NO. 27982

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA2 cement w/ 1/4" Flocculo 5 1/2" x 14" casing 83 joints 3406' Sheet 21.5' Centralizer 1, 3, 5, 7, 9, 11, 13, 15 Bristle * 2
	1400							on loc TRK 114
	1640							start 5 1/2" x 14" casing in well
	1815							Drop ball - circulate
	1845	4	12				200	Pump 500 gal mud flush
		4	20				200	Pump 20 bbl KCL flush
	1900		7					Plug RH - MH 30 sk - 20 sk
	1905	4 1/2	35				200	Mix EA-2 cement 125 sk - 15.3 ppw
								Drop latch down plug wash out pump & line
	1925	6					200	Displace plug
		6	78				800	
	1945	6	83				1520	Land plug
								Release pressure to truck - dried up
	1950							wash truck
								Rack up
								job complete
								Thanks Blaine, Flint, Craig

Date	Description	Debit	Credit	Balance	Total	Total	Total
1/1	Balance						
1/2	...						
1/3	...						
1/4	...						
1/5	...						
1/6	...						
1/7	...						
1/8	...						
1/9	...						
1/10	...						
1/11	...						
1/12	...						
1/13	...						
1/14	...						
1/15	...						
1/16	...						
1/17	...						
1/18	...						
1/19	...						
1/20	...						
1/21	...						
1/22	...						
1/23	...						
1/24	...						
1/25	...						
1/26	...						
1/27	...						
1/28	...						
1/29	...						
1/30	...						
1/31	...						



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior
 PO Box 399
 Garden City KS 67846
 ATTN: Clint Musgrove

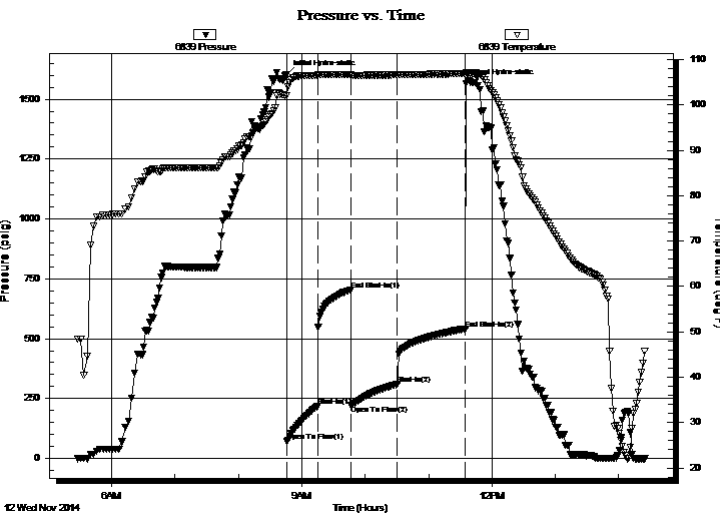
10-18s-10w Rice, KS
Hoelscher #4-10
 Job Ticket: 60293 **DST#: 1**
 Test Start: 2014.11.12 @ 05:27:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:46:00
 Time Test Ended: 14:24:30
 Interval: **3228.00 ft (KB) To 3300.00 ft (KB) (TVD)**
 Total Depth: 3300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1807.00 ft (KB)
 1799.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 309.88 psig @ 3295.31 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.11.12 End Date: 2014.11.12 Last Calib.: 2014.11.12
 Start Time: 05:28:00 End Time: 14:24:30 Time On Btm: 2014.11.12 @ 08:45:30
 Time Off Btm: 2014.11.12 @ 11:35:30

TEST COMMENT: IFP 30 min. BOB in 3 min.
 ISI 30 min. No blow back
 FFP 45 min. BOB in 6 min.
 FSI 60 min. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.22	102.08	Initial Hydro-static
1	71.24	102.08	Open To Flow (1)
30	217.09	106.53	Shut-In(1)
61	704.61	106.63	End Shut-In(1)
62	220.31	106.50	Open To Flow (2)
105	309.88	106.63	Shut-In(2)
170	541.22	106.90	End Shut-In(2)
170	1566.63	107.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
654.00	Clean oil 100%	9.17
189.00	Oil cut mud 50%Oil 50%Mud	2.65

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

10-18s-10w Rice,KS

PO Box 399
Garden City KS 67846

Hoelscher #4-10

Job Ticket: 60293

DST#: 1

ATTN: Clint Musgrove

Test Start: 2014.11.12 @ 05:27:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
654.00	Clean oil 100%	9.174
189.00	Oil cut mud 50%Oil 50%Mud	2.651

Total Length: 843.00 ft Total Volume: 11.825 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

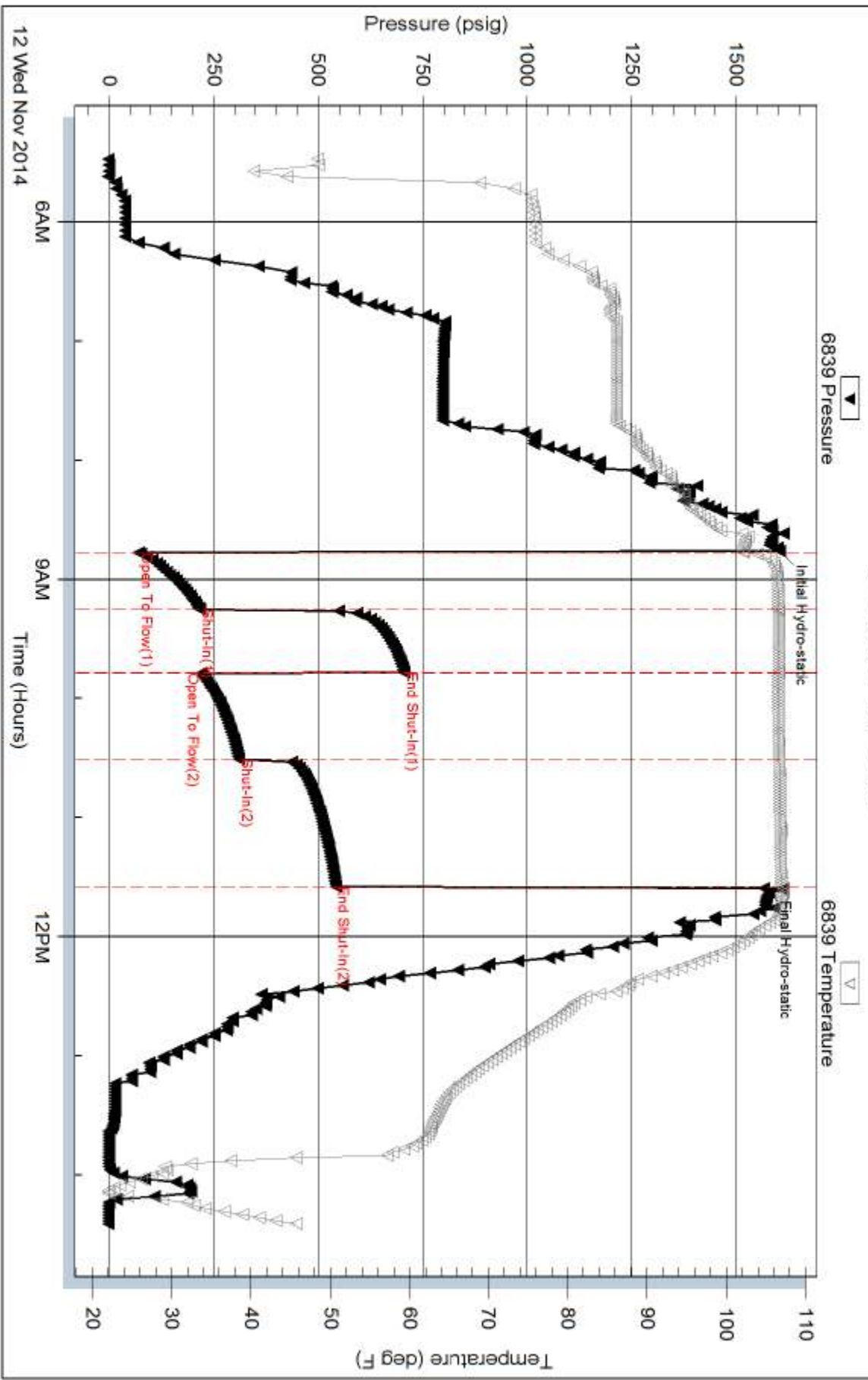
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



12 Wed Nov 2014



Musgrove

Geologist's Report

Company: American Warrior Inc.

Lease: Hoelscher #4-10

Field: Unknown

Location: SE-NW-SW-NE (1800 FNL & 2150 FEL)

Sec: 10 **Twsp:** 18S **Rge:** 10W

County: Rice **State:** Kansas

GL: 1799' **KB:** 1807'

Contractor: Duke Drilling Rig #8

Spud: 11/07/14 **Comp:** 11/12/14

RTD: 3400' **LTD:** 3399'

Mud Up: 2600' **Type Mud:** Chemical/Displaced

Samples Saved From: 2700' to RTD

Drilling Time Kept From: 2800' to RTD

Samples Examined From: 2800' to RTD

Geological Supervision From: 2800' to RTD

Geologist on Well: Clint Musgrove

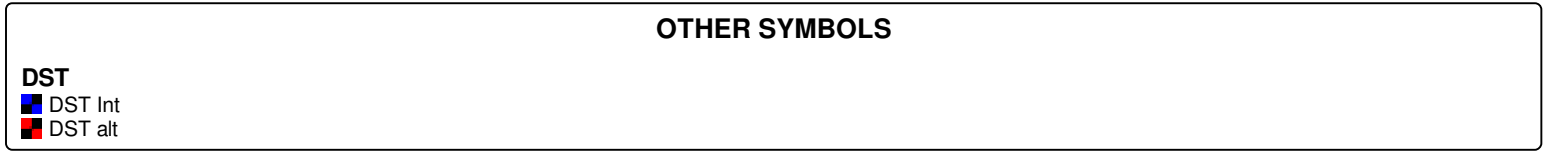
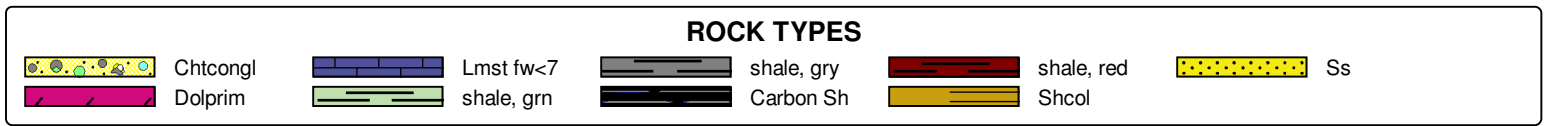
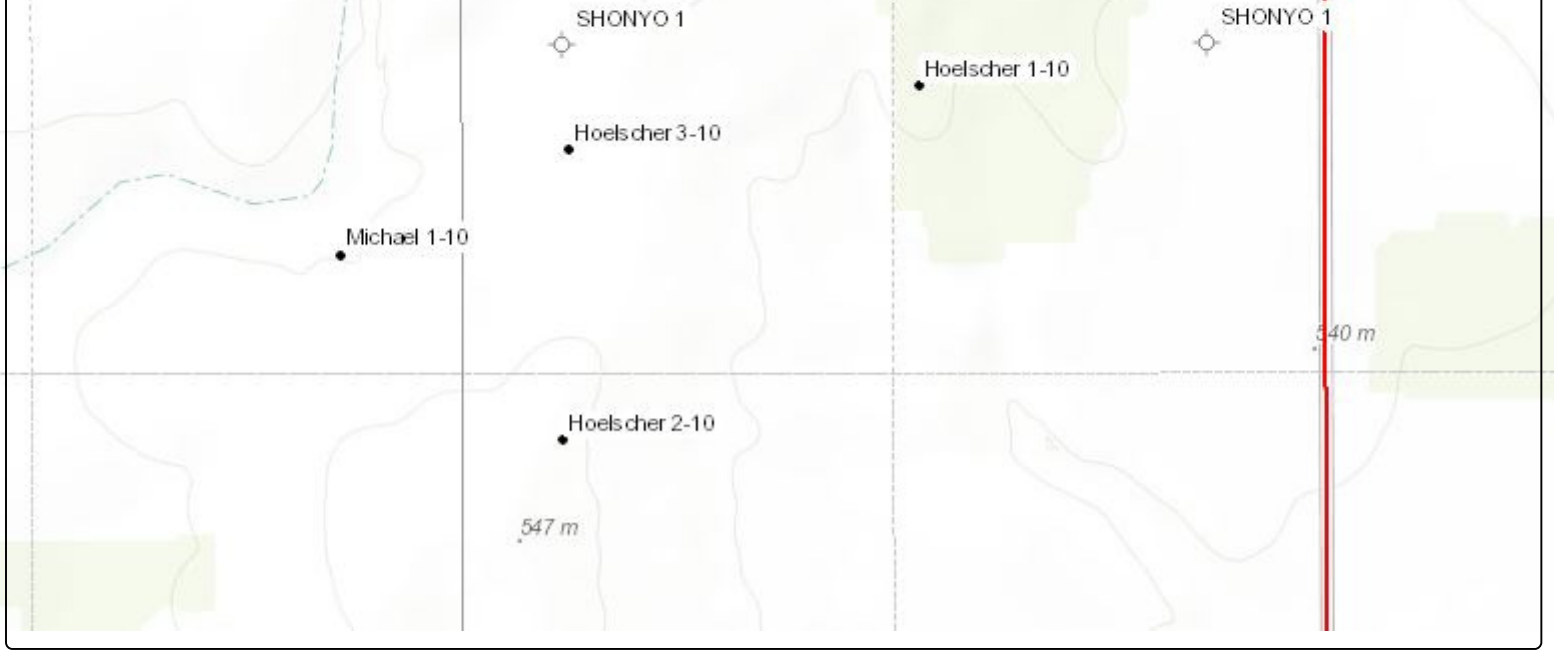
Surface Casing: 8 5/8" @ 472'

Production: 5 1/2 @ 3398'

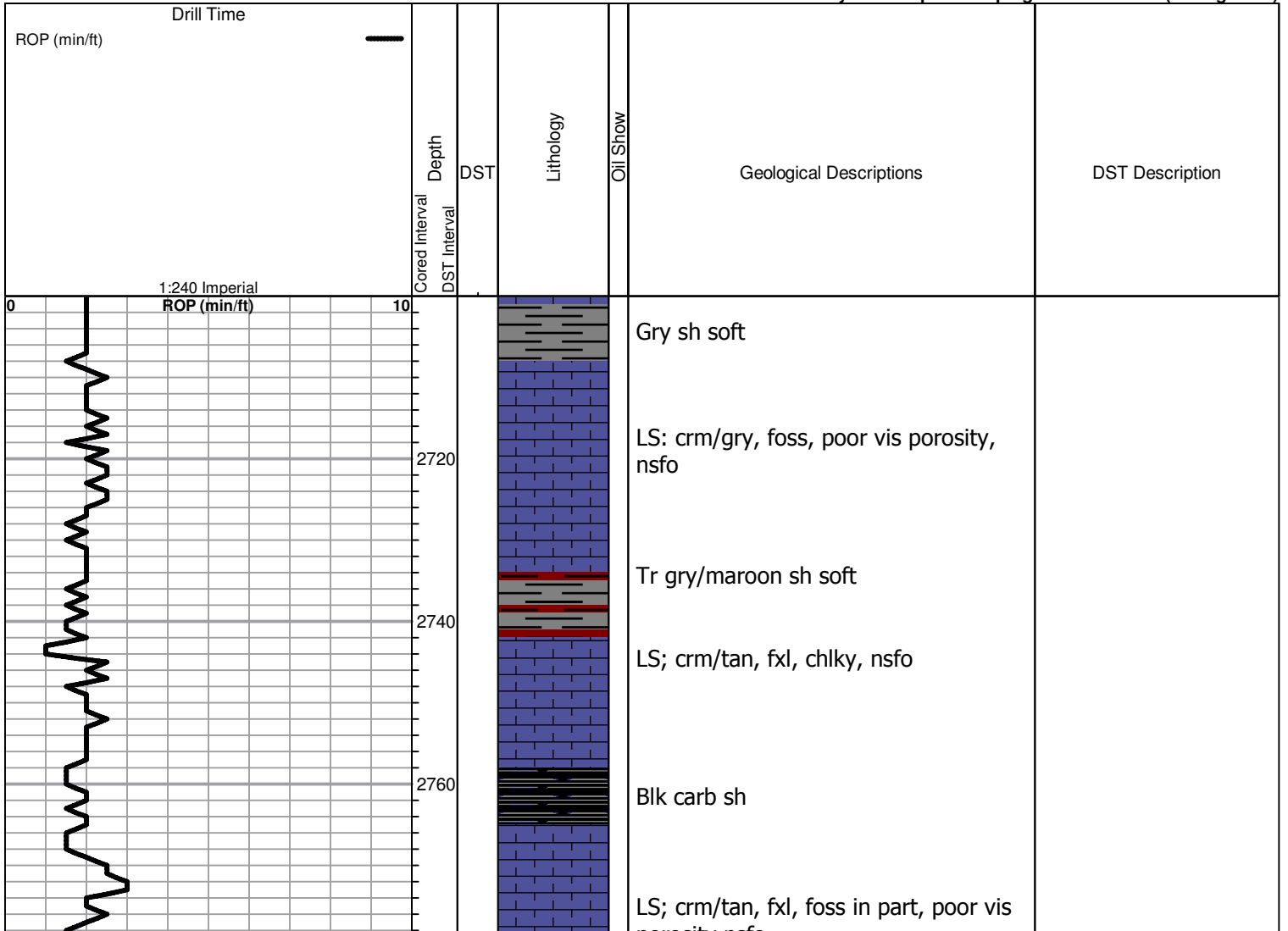
Logs: By Pioneer: CNL/CDL, DIL, & MEL

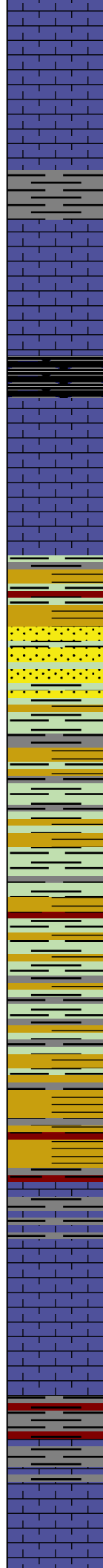
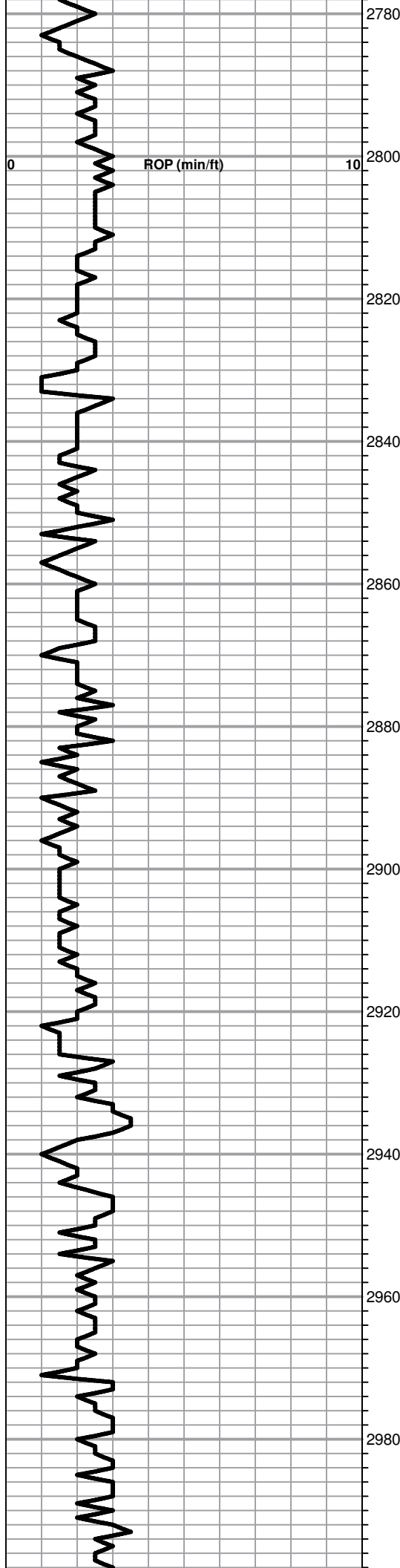
Map





Printed by GEOstrip VC Striplog version 4.0.8.7 (www.grsi.ca)





porosity nsfo

LS; crm/tan, fxl, ool, foss, poor vis porosity, nsfo

Gry sh soft

Heebner
Sample 2828.0 (-1021.0)
Log 2830.0 (-1023.0)
 Blk carb sh

Toronto
Sample 2844.0 (-1037.0)
Log 2846.0 (-1039.0)
 LS; crm/tan, fxl, foss, cherty, poor vis porosity

Douglas
Sample 3860.0 (-1053.0)
Log 2859.0 (-1052.0)
 Sh, gry, silty + mica

AA + tr sd

Sh gry, greenish + mica well sorted, nsfo, no odor

Sh- gry/grn, silty + mica

AA + gry/ maroon sh

AA

Brown Lime
Sample 2946.0 (-1139.0)
Log 2946.0 (-1139.0)

LS; tan/brn, fxl, chlky, poor vis porosity

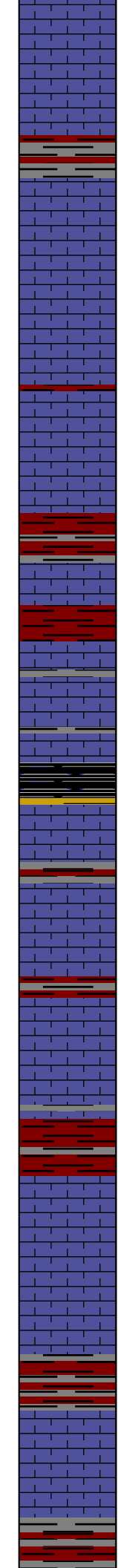
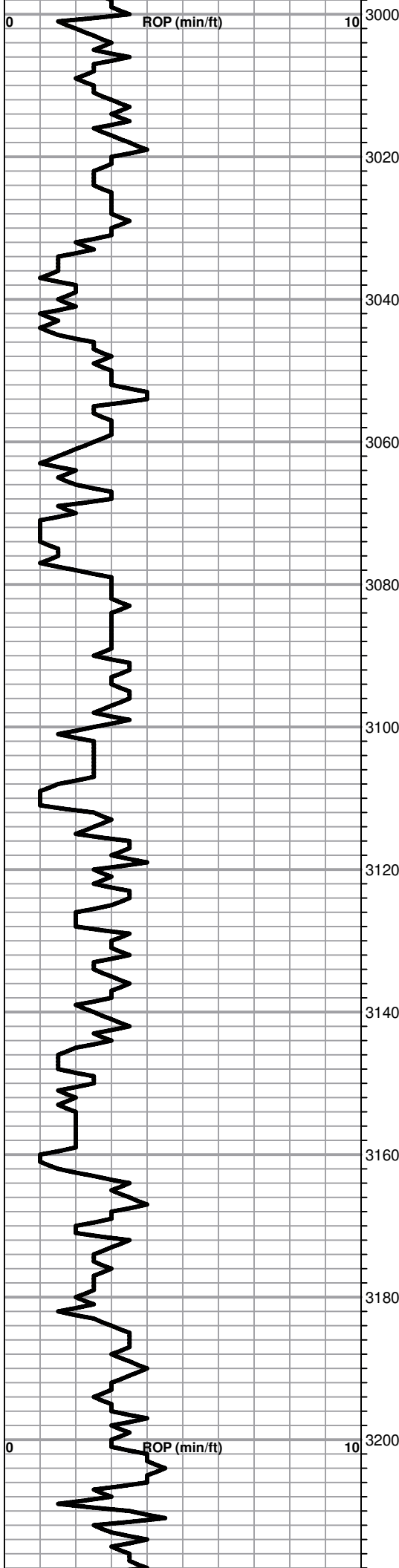
Lansing
Sample 2865.0 (-1158.0)
Log 2962.0 (-1155.0)

LS; crm, fxl, ft blk stn nsfo

LS; crm, fxl + tr gry sh

LS; crm, fxl, poor vis porosity, nsfo

- 1807 KB -



LS; crm, fxl, cherty, nsfo

LS; crm, fxl, chlky, ft blk stn, nsfo

Gr/maroon sh soft

LS; crm, fxl, vuggy ool porosity,
(barren)

LS; crm, fxl, cherty, poor inxl porosity,
nsfo

LS; crm, fxl, chlky

Red maroon sh

aa

Tr blk carb sh

LS; crm, /gry, fxl, cherty, nsfo

LS; crm, fxl, foss, poor vis porosity
nsfo

LS; crm, fxl, chlky, poor porosity

LS; crm fxl, cherty ft blk stn nsfo

Sh red maroon

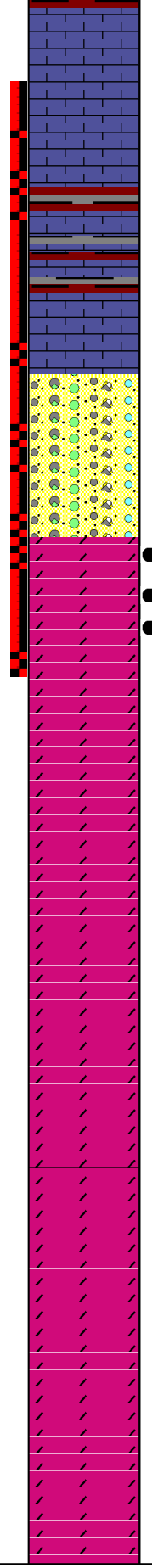
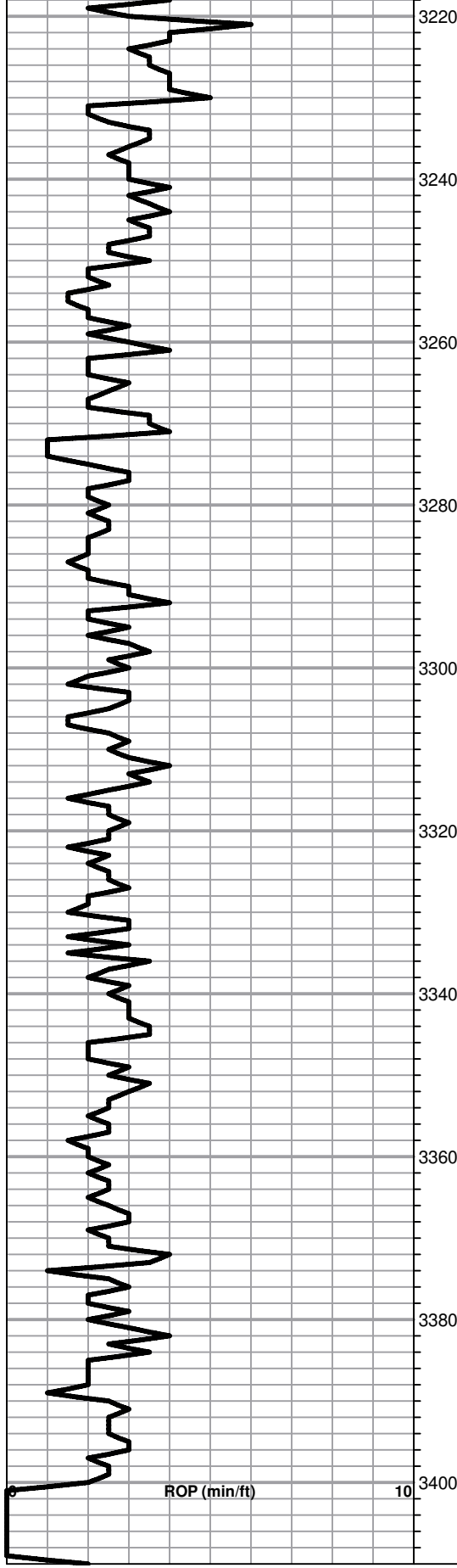
LS; crm, fxl, chlky oom in part nsfo

Poor Sample Quality

Tr gr/maroon sh

LS; crm/gry, fxl, foss, poor vis
porosity, nsfo

LS; crm, cherty, chlky, scatt vis
porosity



Tr gry/ maroon sh sfot

LS; crm, fxl, cherty, poor vis porosity, nsfo

BKC
Sample 3251.0 (-1444.0)
Log 3252.0 (-1445.0)

LS; crm/gry, vfg cherty, poor vis porosity

Cong
Sample 3266.0 (-1459.0)
Log 3266.0 (-1459.0)

VC chert + LS crm, chlky

Arbuckle
Sample 3288.0 (-1481.0)
Log 3289.0 (-1482.0)

Dol: tan/crm succ in part, poor iner xln porosity, ft brn stn, sfo, very ft odor

Dol: tan, fxl, poor iner xln porosity, ft brn stn, sfo, no odor

AA + ft odor

Dol; wh/tan, fxl, poor vis porosty, nsfo no odor

aa no odor nsfo

Dol: wh/tan, f-med xln, no odor, nsfo

aa

Dol; wh/gry, fxl, dense, med-xln, no odor, nsfo

RTD
Sample 3400.0 (-1593.0)
Log 3399.0 (-1592.0)

DST #1 3228-3300
30-30-45-60

Initial Opening:
 Strong BOB 3 mins
 2nd Opening:
 Strong BOB 6 min

Recovery:
 654' Clean Oil
 189' HOCM (50%O,
 50%M)

Pressures:
 ISIP: 704 psi
 FSIP: 541 psi
 IFP: 71-271 psi
 FFP: 220-309 psi
 HSH: 1604-1566 psi