



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1311752  
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: \_\_\_\_\_

1311752

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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CHARGE TO: Pre Services O-1  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET 29304

LEASE NO: 21 LEASE: \_\_\_\_\_  
 COUNTY/PARISH: NESS RIG NAME/NO: \_\_\_\_\_  
 STATE: KS CITY: Neas City DATE: 10/16 OWNER: \_\_\_\_\_  
 DELIVERED TO: location ORDER NO: \_\_\_\_\_

PAGE 1 OF 1

SERVICE LOCATIONS: KS WELL/PROJECT NO: 21 LEASE: \_\_\_\_\_  
 1. Neas City KS TICKET TYPE: \_\_\_\_\_ CONTRACTOR: \_\_\_\_\_  
 2. \_\_\_\_\_  SERVICE  SALES  
 3. \_\_\_\_\_ WELL TYPE: oil WELL CATEGORY: PTA JOB PURPOSE: Plug to Abandon  
 4. REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY	UM	QTY	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRK 114	10	mi				5.00	50.00
576D					Pump Charge	1	ea				800.00	800.00
328-4					COLD SPINX (4 1/2 gal)	230	sk				10.25	2357.50
290					D-AIR	2	gal				42.00	84.00
581					service charge	230	sk				1.50	345.00
582					Drayage (win)	1	ea				252.00	252.00

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

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  AM  PM

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

SURVEY:  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?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 3886.50  
 TOTAL: 3795.21

SWIFT OPERATOR: Rebel 1040 APPROVAL: \_\_\_\_\_  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10 Jun 16 PAGE NO.

CUSTOMER Joe Bestner Oil WELL NO. #1 LEASE Vermon JOB TYPE Fly to Abandon TICKET NO. 29304

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								230 sk 60/40 p02mx (4% gel) 4 1/2 drill pipe plugs - 50sk @ 1660' 80sk @ 870' 50sk @ 250' 20sk @ 60' 30 RH / 20 MH
	0700							on loc TRK 114
	0702							start drill pipe in hole RUN to 1660'
	0735	3 3/4	13			200		pump 1 <sup>st</sup> plug 60/40 (4% gel) @ 13.1 pp9 50sk
	0755		16			∅		Displace 16 H <sub>2</sub> O pull to 870'
	0830	3 3/4	21 <del>13</del>			200		pump 2 <sup>nd</sup> plug 60/40 (4% gel) @ 13.1 pp9 80sk
			5			∅		Displace 5 bbl H <sub>2</sub> O pull to 250'
	0900		13			∅		pump 3 <sup>rd</sup> plug 60/40 (4%) @ 13.1 pp9 50sk
	0910		2					Displace 2 bbl H <sub>2</sub> O pull to 60'
	0955							Break Kelly & pull RTT mix 4 <sup>th</sup> plug 60' 20sk
								plug RTT 20sk (no mouse hole)
	1010							wash truck Rack up { 230sk total }
	1040							job complete - Amber Blaine, Phil & Preston



Home  
(785) 798-3400

# Andrew Stenzel Geologist

Ness City, Kansas



Cell  
(785) 798-5977

## WELLSITE GEOLOGIST'S REPORT

### WellSight Systems

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

Well Name: Vernon #1  
Location: Sec. 17-18S-24W (Ness County)  
License Number: 15-135-25912  
Spud Date: 6/3/16  
Surface Coordinates: 741' FSL & 2347' FWL  
Region: KANSAS  
Drilling Completed: 6/10/16

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2316  
Logged Interval (ft): 3400 To: TD  
Formation:  
Type of Drilling Fluid: Mud-Co Chemical  
K.B. Elevation (ft): 2321  
Total Depth (ft): 4430

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### OPERATOR

Company: Joe Gerstner Oil, LLC  
Address: PO Box 509  
Ness City, KS 67560

### GEOLOGIST

Name: Andrew Stenzel  
Company: Geologist  
Address: 501 S. Franklin  
Ness City, KS 67560

### Misc. Info.

RIG: WW Drilling, Rig 2

MUD: MUDCO

LOGS: Gemini (CND, DIL, ML, Sonic)

TESTER: Trilobite Testing

### Formation Tops

Sample Tops		LogTops	
Anhy.	1593 (+728)	Anhy.	1594 (+727)
Base Anhy.	1632 (+689)	Base Anhy.	1620 (+701)
Heebner	3686 (-1365)	Heebner	3692 (-1371)
Lansing	3728 (-1407)	Lansing	3734 (-1411)
BKC	4028 (-1707)	BKC	4022 (-1701)
Pawnee	4150 (-1829)	Pawnee	4155 (-1834)
Ft. Scott	4230 (-1909)	Ft. Scott	4235 (-1914)
Cher. Sh.	4254 (-1933)	Cher. Sh.	4260 (-1939)
Miss.	4354 (-2033)	Miss.	4353 (-2032)
RTD	4430 (-2109)	LTD	4433 (-2112)

### Drilling Report

6/3/16 MIRU, ran surface casing  
6/4/16 Driling @ 350'  
6/5/16 Drilling @ 2315'  
6/6/16 Drilling @ 3065'  
6/7/16 DST #1  
6/8/16 Drilling @ 4016'  
6/9/16 DST #2  
6/10/16 Logged, Plugged & Abandoned



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil, LLC

**17 18s 24w Ness, Ks**

PO Box 509  
Ness City, Ks 67560

**Vernon #1**

Job Ticket: 65526      **DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2016.06.07 @ 06:12:00

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:41:45

Time Test Ended: 11:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

**Interval: 3475.00 ft (KB) To 3594.00 ft (KB) (TVD)**

Total Depth: 3594.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2321.00 ft (KB)

2316.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8677      Outside**

Press@RunDepth: 168.94 psig @ 3476.00 ft (KB)

Start Date: 2016.06.07

End Date: 2016.06.07

Capacity: 8000.00 psig

Last Calib.: 2016.06.07

Start Time: 06:12:05

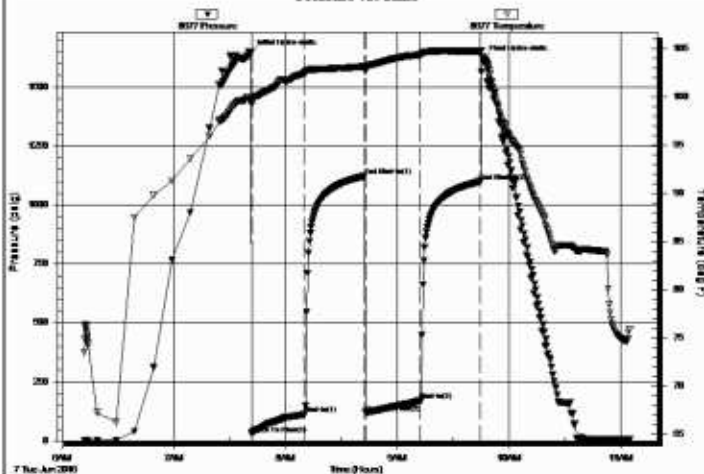
End Time: 11:04:59

Time On Btm: 2016.06.07 @ 07:41:15

Time Off Btm: 2016.06.07 @ 09:45:45

**TEST COMMENT:** IF: 9" blow.  
IS: No return.  
FF: 5" blow.  
FSI: No return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.31	99.61	Initial Hydro-static
1	29.79	99.22	Open To Flow (1)
29	111.98	102.40	Shut-in(1)
62	1122.70	103.14	End Shut-in(1)
62	119.66	102.93	Open To Flow (2)
91	168.94	104.36	Shut-in(2)
123	1099.23	104.75	End Shut-in(2)
125	1619.53	104.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
330.00	mcw 30m 70w (oil show in tool)	3.55

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Joe Gerstner Oil, LLC

17 18s 24w Ness, Ks

PO Box 509  
Ness City, Ks 67560

Vernon #1

Job Ticket: 65527

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2016.06.08 @ 18:50:00

### GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:11:30

Time Test Ended: 00:44:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4027.00 ft (KB) To 4160.00 ft (KB) (TVD)**

Total Depth: 4166.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2321.00 ft (KB)

2316.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8845** Outside

Press@RunDepth: 42.19 psig @ 4028.00 ft (KB)

Start Date: 2016.06.08

End Date: 2016.06.09

Capacity: 8000.00 psig

Last Calib.: 2016.06.09

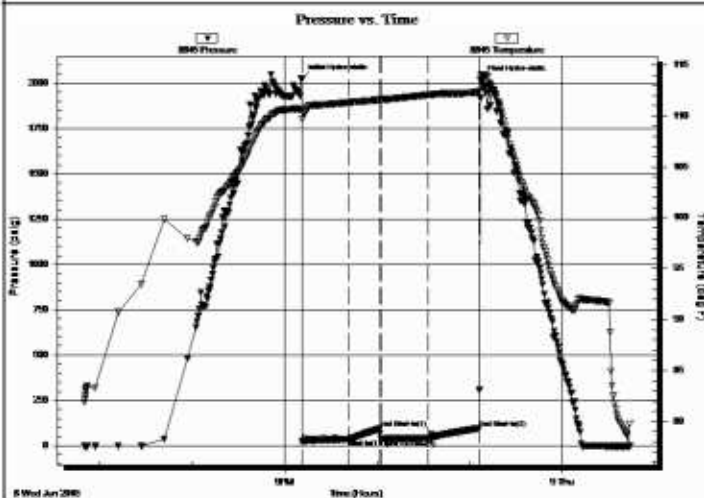
Start Time: 18:50:05

End Time: 00:43:59

Time On Btm: 2016.06.08 @ 21:11:15

Time Off Btm: 2016.06.08 @ 23:07:30

TEST COMMENT: IF: 2" blow.  
IS: No return.  
FF: 2" blow . receded to 1 3/4"  
FSI: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.84	110.68	Initial Hydro-static
1	21.86	109.73	Open To Flow (1)
30	35.82	111.31	Shut-in(1)
51	93.85	111.58	End Shut-in(1)
51	34.28	111.67	Open To Flow (2)
82	42.19	112.06	Shut-in(2)
115	95.35	112.34	End Shut-in(2)
117	2018.04	113.97	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud 100m (oil spots in tool)	0.34
0.00	no GIP detected	0.00

\* Recovery from multiple tests

### Gas Rates

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


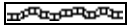
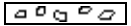


### Pipe Record






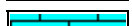
**SURFACE Casing:** Ran 5 jts new 8 5/8", 23# casing @ 211'.


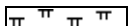


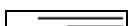
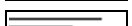
**PRODUCTION Casing:** None




### ROCK TYPES

#### LITHOLOGY

-  Anhy
-  Bent
-  Brec
-  Cht
-  Clyst

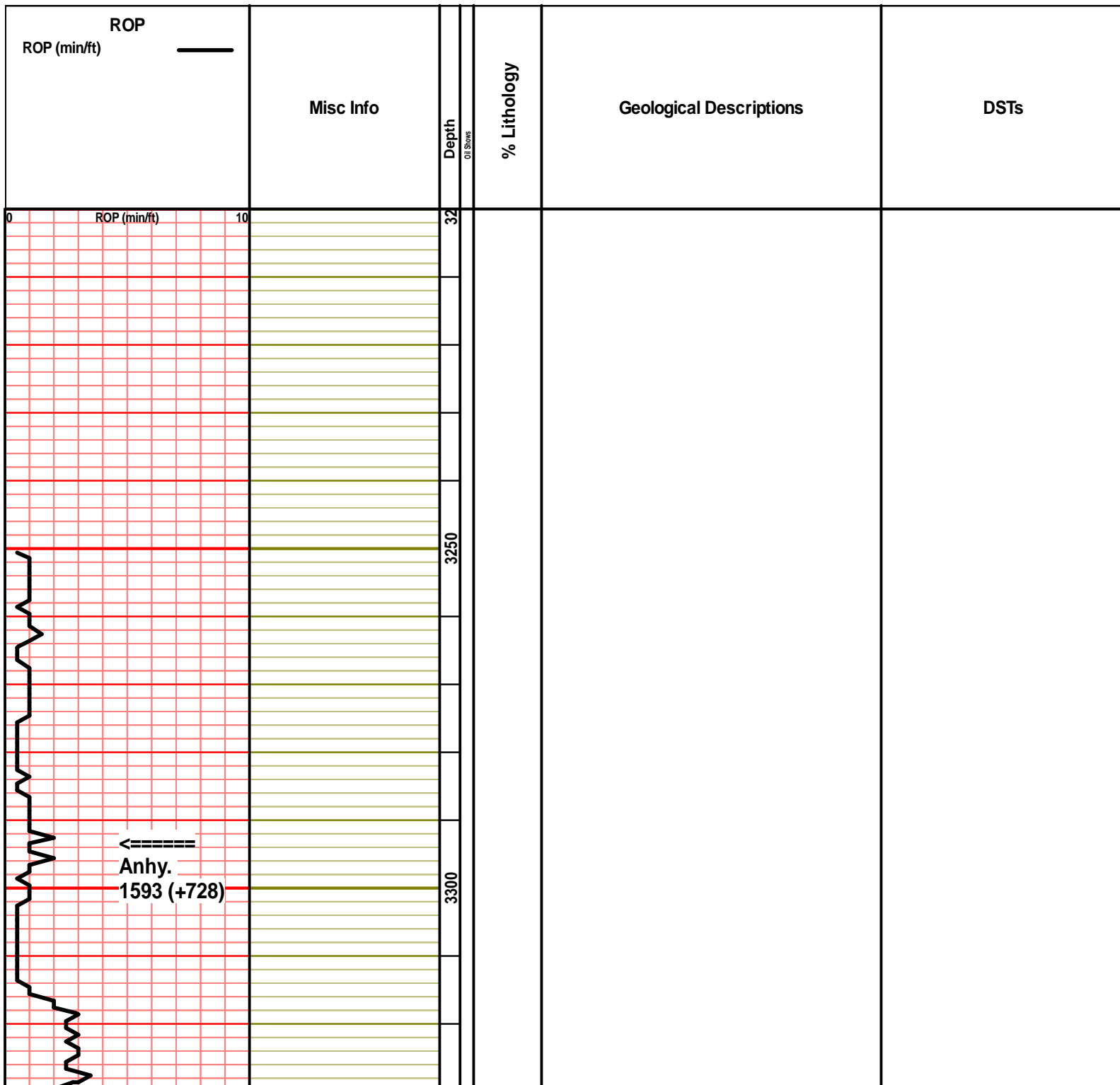
-  Carb sh
-  Congl
-  Dol
-  Gyp
-  Igne
-  Lmst

-  Meta
-  Mrlst
-  Salt
-  Shale
-  Shcol
-  Shgy

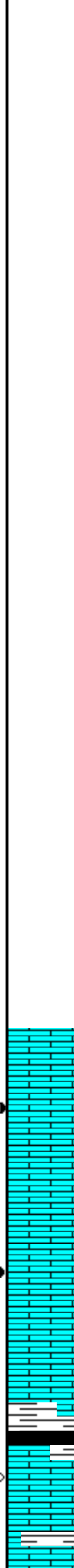
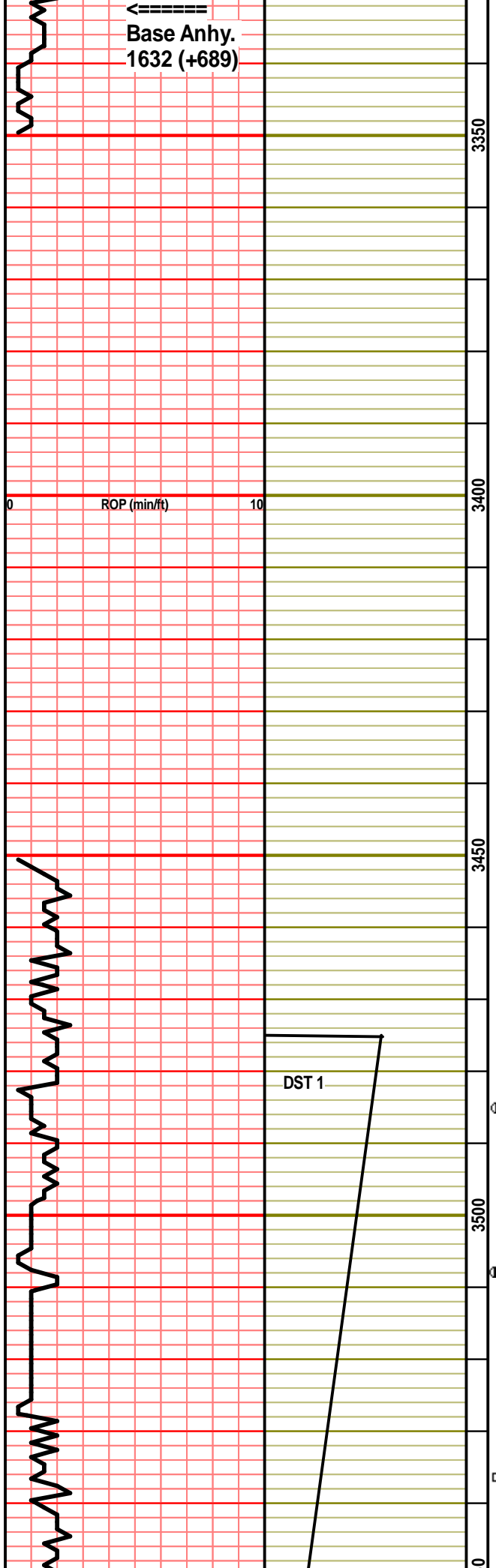
-  Sltst
-  Ss
-  Till

-  Fair
-  Slight
-  Very slight

- OIL SHOW**
-  Good



←-----  
Base Anhy.  
1632 (+689)

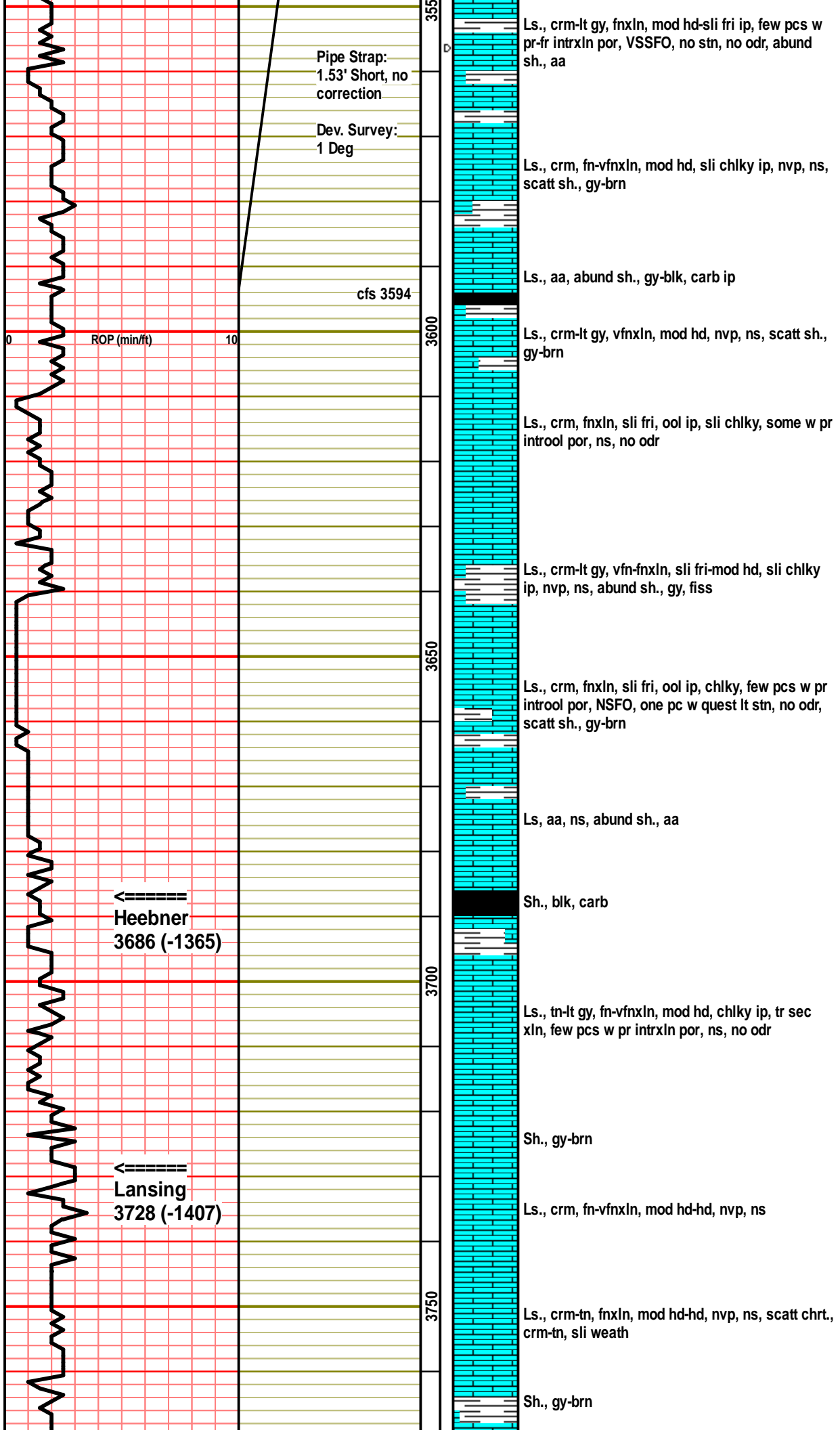


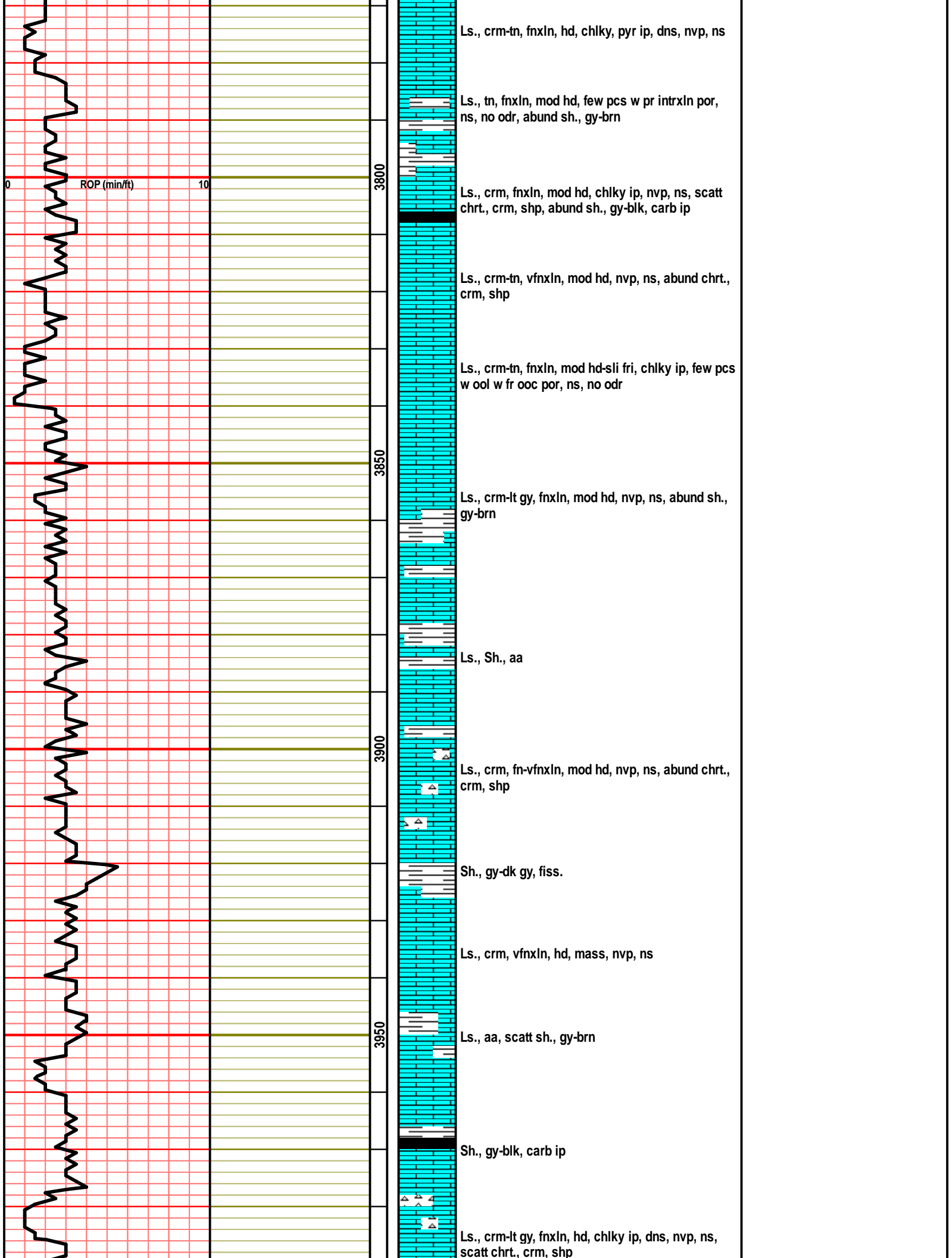
Ls., tn, fmxln, sli fri, ool ip, fr introol & intrxn por, FSFO, vy lt brn stn, few bubls on brk, wk cup odr

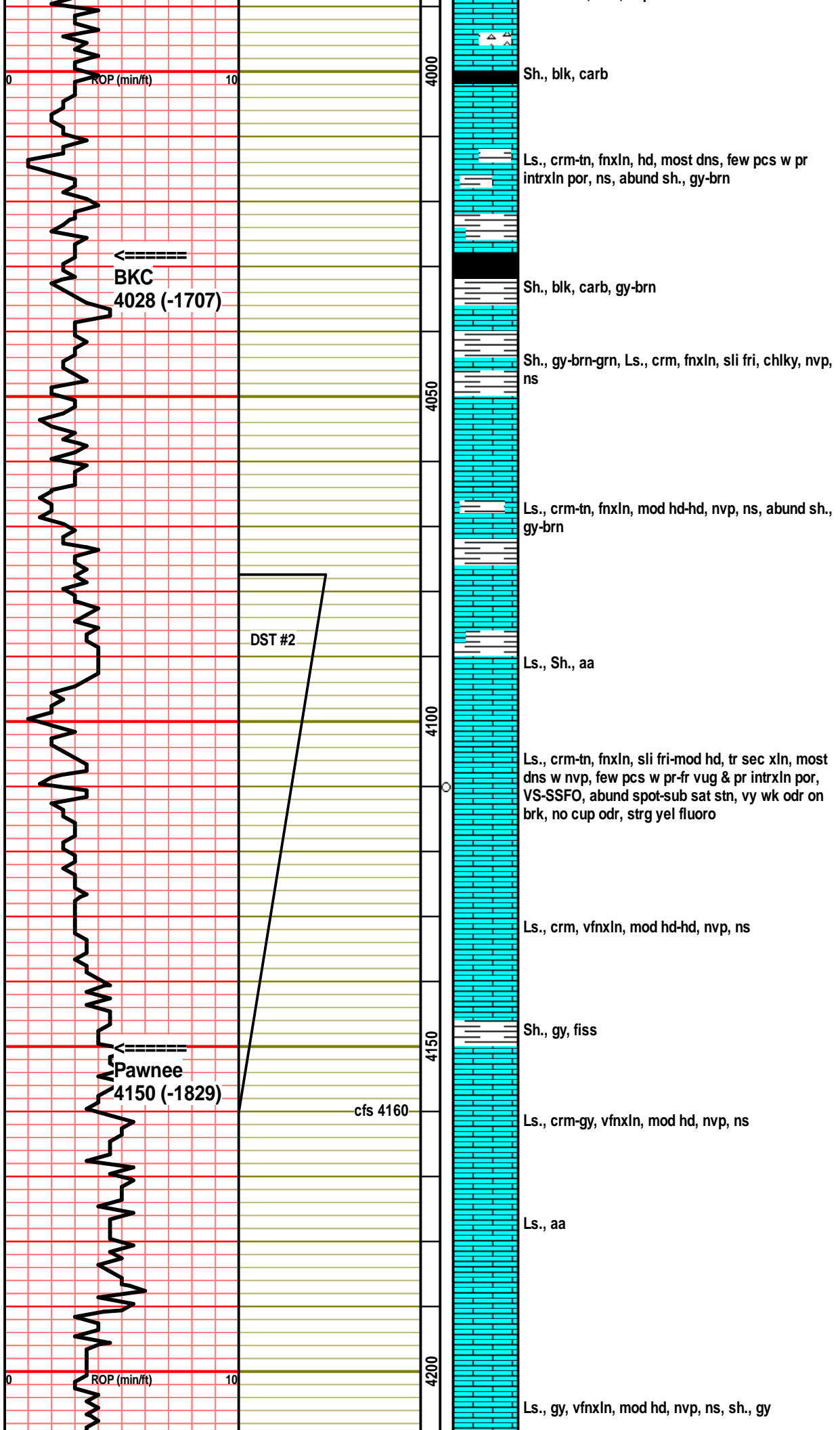
Ls., aa, w fr ooc por, FSFO, vy lt brn sat stn, gas bubls on brk, wk cup odr

Ls., tn-lt gy, fn-vfmxln, few pcs aa w SSFO, some barren por, most dns w nvp, scatt sh., gy-brn-blk, carb ip

DST #1 3475-3594  
30-30-30-30  
IF: Built to 9"  
IS: No blow  
FF: Built to 5"  
FS: No blow  
  
Recovery:  
330' MCW (30%M, 70%W) w oil  
show in tool  
  
Flow Pressures:  
30-112; 120-169  
Shut in Pressures:  
1123-1099  
Hydrostatic:  
1644-1620



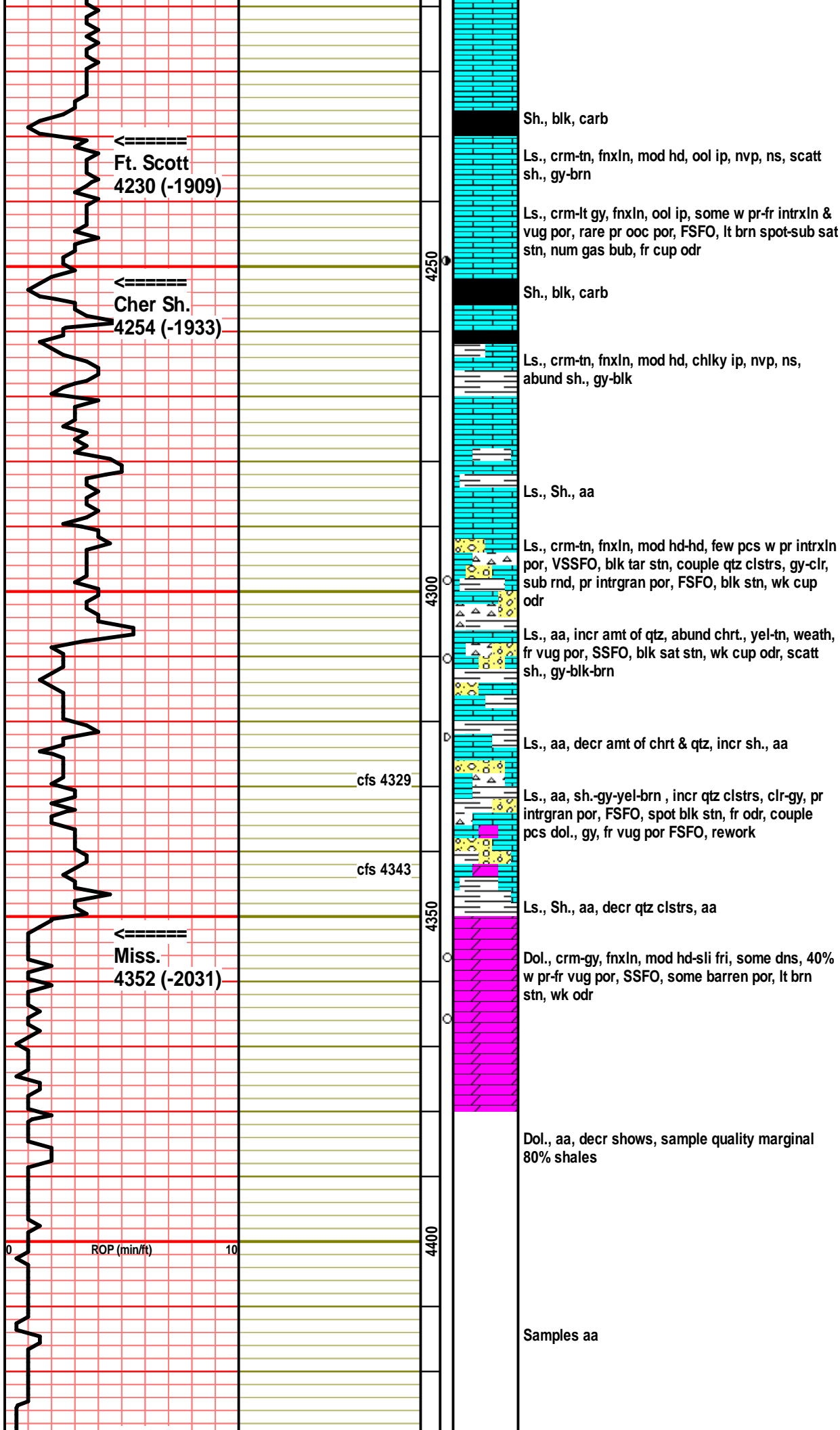




DST #2 4027-4160  
 30-30-30-30  
 IF: Built to 2"  
 IS: No blow  
 FF: Built to 2"  
 FS: No blow

Recovery: 70' Mud w oil spots in tool

Flow Pressures:  
 22-36; 34-42  
 Shut in Pressures:  
 94-95  
 Hydrostatic:  
 2023-2018



←  
RTD  
4430 (-2109)

cfs 4430

4450

00





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil, LLC

**17 18s 24w Ness, Ks**

PO Box 509  
Ness City, Ks 67560

**Vernon #1**

Job Ticket: 65526

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2016.06.07 @ 06:12:00

## GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)

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Time Test Ended: 11:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

**Interval: 3475.00 ft (KB) To 3594.00 ft (KB) (TVD)**

Reference Elevations: 2321.00 ft (KB)

Total Depth: 3594.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8677 Outside**

Press@RunDepth: 168.94 psig @ 3476.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.07 End Date: 2016.06.07

Last Calib.: 2016.06.07

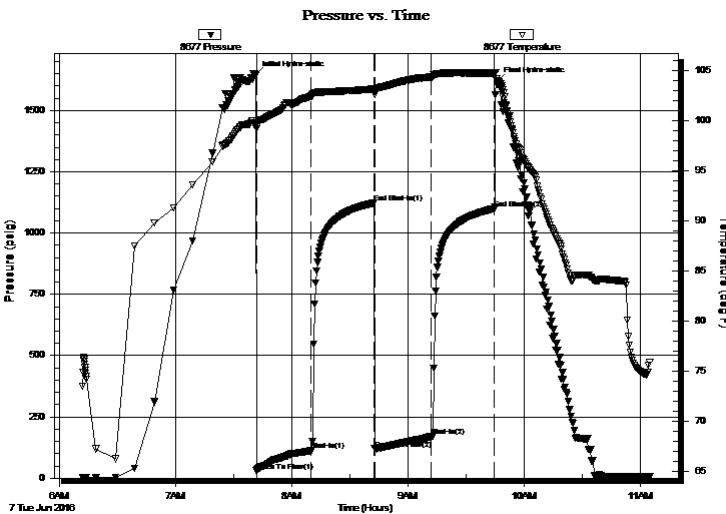
Start Time: 06:12:05 End Time: 11:04:59

Time On Btm: 2016.06.07 @ 07:41:15

Time Off Btm: 2016.06.07 @ 09:45:45

TEST COMMENT: IF: 9" blow.  
IS: No return.  
FF: 5" blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.31	99.61	Initial Hydro-static
1	29.79	99.22	Open To Flow (1)
29	111.98	102.40	Shut-In(1)
62	1122.70	103.14	End Shut-In(1)
62	119.66	102.93	Open To Flow (2)
91	168.94	104.36	Shut-In(2)
123	1099.23	104.75	End Shut-In(2)
125	1619.53	104.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
330.00	mcw 30m 70w (oil show in tool)	3.55

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Joe Gerstner Oil, LLC

**17 18s 24w Ness, Ks**

PO Box 509  
Ness City, Ks 67560

**Vernon #1**

Job Ticket: 65526

**DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2016.06.07 @ 06:12:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	mcw 30m 70w (oil show in tool)	3.554

Total Length: 330.00 ft      Total Volume: 3.554 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

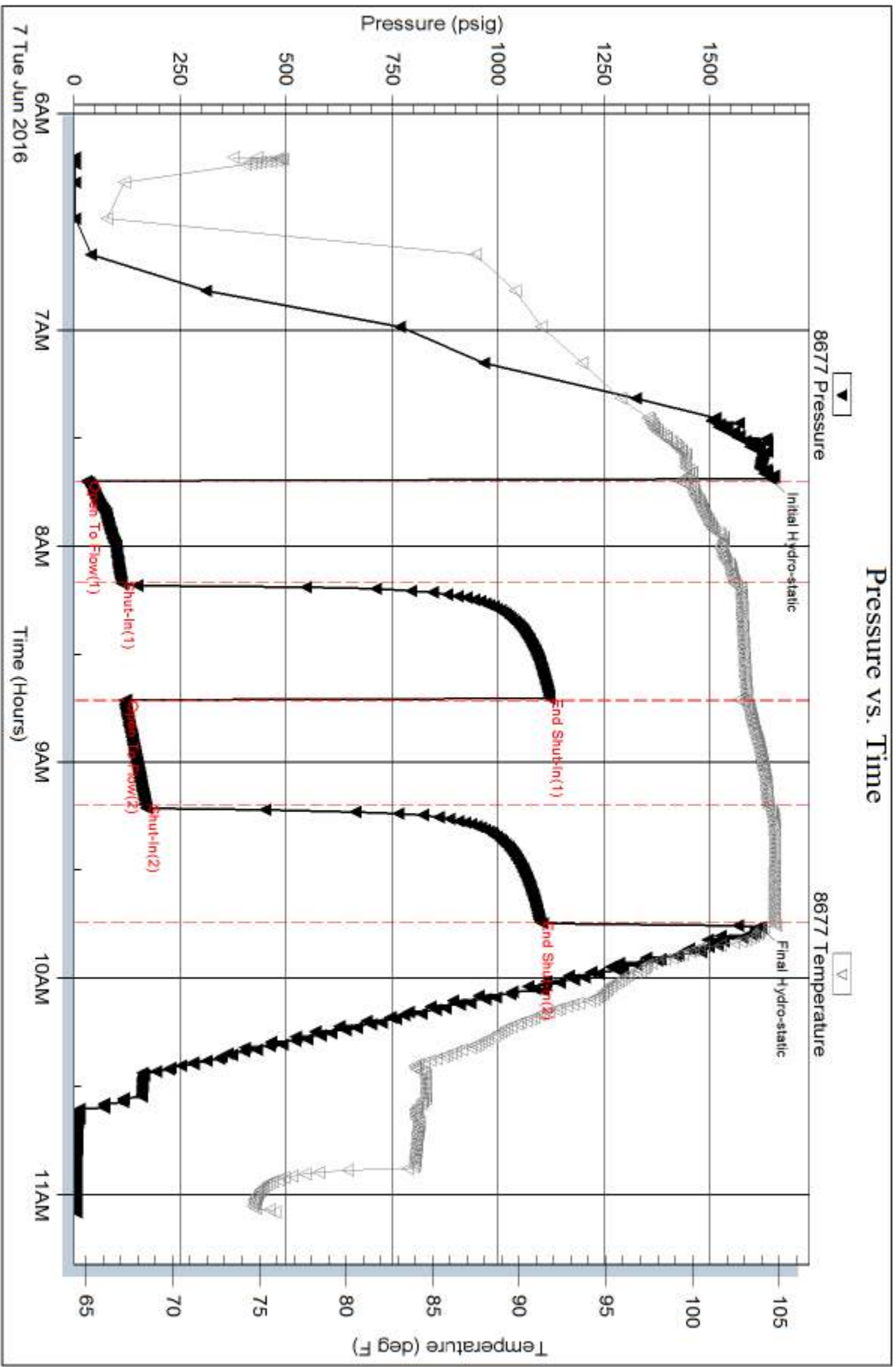
Recovery Comments: rw is .257 @ 65F = 28000ppm

Serial #: 8677

Outside Joe Gerstner Oil, LLC

Vernon #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65526

Printed: 2016.06.07 @ 11:33:52



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Joe Gerstner Oil, LLC

**17 18s 24w Ness, Ks**

PO Box 509  
Ness City, Ks 67560

**Vernon #1**

Job Ticket: 65527

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2016.06.08 @ 18:50:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:11:30

Time Test Ended: 00:44:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4027.00 ft (KB) To 4160.00 ft (KB) (TVD)**

Reference Elevations: 2321.00 ft (KB)

Total Depth: 4166.00 ft (KB) (TVD)

2316.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 42.19 psig @ 4028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.08

End Date:

2016.06.09

Last Calib.:

2016.06.09

Start Time: 18:50:05

End Time:

00:43:59

Time On Btm:

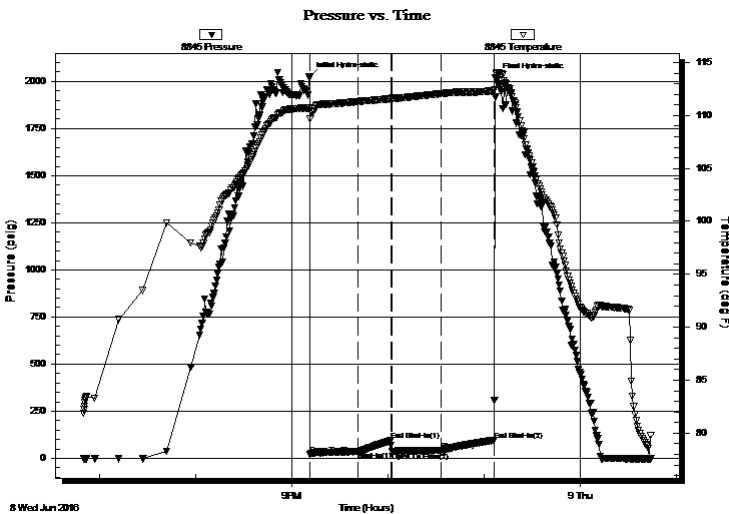
2016.06.08 @ 21:11:15

Time Off Btm:

2016.06.08 @ 23:07:30

TEST COMMENT: IF: 2" blow.  
IS: No return.  
FF: 2" blow . receded to 1 3/4"  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.84	110.68	Initial Hydro-static
1	21.86	109.73	Open To Flow (1)
30	35.82	111.31	Shut-In(1)
51	93.85	111.58	End Shut-In(1)
51	34.28	111.67	Open To Flow (2)
82	42.19	112.06	Shut-In(2)
115	95.35	112.34	End Shut-In(2)
117	2018.04	113.97	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
70.00	mud 100m (oil spots in tool)	0.34
0.00	no GIP detected	0.00

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Joe Gerstner Oil, LLC

**17 18s 24w Ness, Ks**

PO Box 509  
Ness City, Ks 67560

**Vernon #1**

Job Ticket: 65527

**DST#: 2**

ATTN: Andrew Stenzel

Test Start: 2016.06.08 @ 18:50:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

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 bbbl
70.00	mud 100m (oil spots in tool)	0.344
0.00	no GIP detected	0.000

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

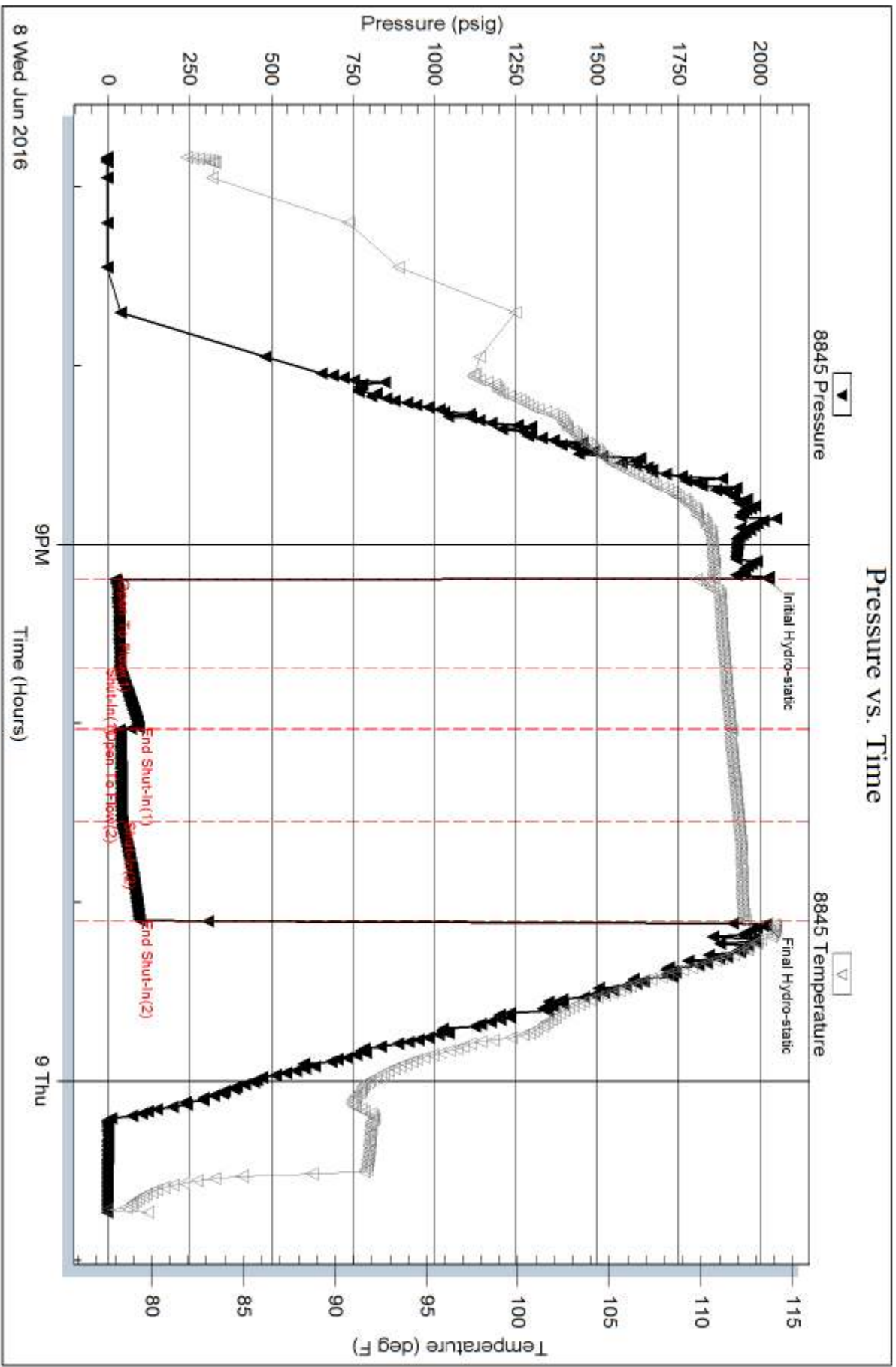
Recovery Comments:

Serial #: 8845

Outside Joe Gerstner Oil, LLC

Vernon #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 65527

Printed: 2016.06.09 @ 08:13:58



Services, Inc.

CHARGE TO: **Joe Gessner Oil Co.**  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 28907

PAGE 1 OF 1

SERVICE LOCATIONS 1. <b>Ness City, Ks</b>	WELL/PROJECT NO. <b>H1</b>	LEASE <b>VERNON</b>	COUNTY/PARISH <b>Ness</b>	STATE <b>Ks</b>	CITY	DATE <b>6-3-16</b>	OWNER <b>SAME</b>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>W W Dole #2</b>	RIG NAME/NO.	SHIPPED VIA <b>OR</b>	DELIVERED TO <b>LOCATRON</b>	WELL PERMIT NO.	ORDER NO.	WELL LOCATION <b>W/Ness City, Ks</b>
WELL TYPE <b>ORL</b>	WELL CATEGORY <b>Development</b>	JOB PURPOSE <b>8 5/8" SURFACE</b>	INVOICE INSTRUCTIONS				

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE # 112	10	MI			5.00	50.00
576S					PUMP CHARGE	1	TOB	218	FT	800.00	800.00
325					STANDBY CEMENT	150	SYS			12.25	1837.50
278					Calcium Chloride	7	SYS			40.00	280.00
279					Baroside Gel	3	SYS			25.00	75.00
296					D-AIR	2	Gal			42.00	84.00
581					SERVICE CHARGE CEMENT	150	SYS			1.50	225.00
582					Mudroom Drayage Charge	14750	LBS	73.75	TM	250.00	250.00

**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

*Wayne Watson*

DATE SIGNED **6-3-16** TIME SIGNED **1930**  P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				3601.50
WE UNDERSTOOD AND MET YOUR NEEDS?				-10 <sup>00</sup> DISC
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				-360.15
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				3241.85
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		133.18
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

SWIFT OPERATOR **Wayne Watson** APPROVAL

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

**Thank You!**

JOB LOG

SWIFT Services, Inc.

DATE 6-3-16 PAGE NO. 9

CUSTOMER JOE GERSTNER OZZ WELL NO. # 1 LEASE VERNON JOB TYPE 8 5/8" SURFACE TICKET NO. 28907

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1930							ON LOCATION
								TD - 219 SET @ 217.78
								TP - 217.78 8 5/8 # - 28
								15' CEMENT LEFT IN CASING
	2050							BREAK CIRCULATION
	2105	6	36.3		✓	100		MIX CEMENT - 150 SKS STANDARD 2% GEL, 3% CC
	2112	6 1/2	0		✓	175		DISPLACE CEMENT
	2115		13					CEMENT DISPLACED - SHOT IN
								CIRCULATED 20 SKS CEMENT TO PT
								WASH TRUCK
	2200							JOB COMPLETE
								THANK YOU WAYNE, JOHN J., PRESTON