

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	US Oil Resources LLC
Well Name	OTTLEY 10D-27-1329
Doc ID	1520507

All Electric Logs Run

Density Neutron
Array Induction
Sonic Log
Microlog

Form	ACO1 - Well Completion
Operator	US Oil Resources LLC
Well Name	OTTLEY 10D-27-1329
Doc ID	1520507

Tops

Name	Top	Datum
Heebner	3880	-1083
Lansing	3919	-1118
Muncie Creek	4067	-1271
BKC	4236	-1434
Cherokee	4440	-1642
Miss Spergen	4510	-1712
Miss Warsaw	4542	-1744
TD	4697	-1901



785-953-0222

TICKET NUMBER 1052 K-C
 LOCATION Hughton ks
 FOREMAN Walt Dinkel

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
<u>6-5-2020</u>		<u>Ottley #10D-27-13-29</u>	<u>27</u>	<u>135</u>	<u>29W</u>	<u>60ue</u>
CUSTOMER			60ue South to			
<u>U.S. Oil Resources</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				<u>Jason</u>		
CITY			<u>800-850</u>	<u>Walt</u>		
STATE				<u>JD</u>		
ZIP CODE						
<u>3-West</u>						
<u>1-5E</u>						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 264' CASING SIZE & WEIGHT 8 3/8 - 23 H
 CASING DEPTH 264 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15 to 20'
 DISPLACEMENT 15.50 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Safety Meeting Rig up on Duke #2,
Hookup to 8 3/4, Break Circ,
Mixed 220 sks com, 3% cc-2% Gel, Displace BBL H₂O Slurry

Cement Did Circ
Approx 6 BBL to Pit

Thank You
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	<u>1</u>	<u>PUMP CHARGE</u>	<u>1,150⁰⁰</u>	<u>1,150⁰⁰</u>
	<u>40</u>	<u>MILEAGE</u>	<u>7¹⁵</u>	<u>286⁰⁰</u>
	<u>10.34</u>	<u>Ton Mileage Delivery</u>	<u>1⁷⁵</u>	<u>723⁸⁰</u>
	<u>220 sks</u>	<u>Surface Blend II</u>	<u>24⁰⁰</u>	<u>5,280⁰⁰</u>
				<u>7,439⁸⁰</u>
		<u>Less 55%</u>		<u>4,091⁸⁹</u>
				<u>3,347⁹¹</u>
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION Adam J. Bl... TITLE _____ DATE _____

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



785-953-0222

TICKET NUMBER 1022 K-C
 LOCATION Hucaton Ks
 FOREMAN Walt Dunkel

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
6-16-2020		Ottley 10D	27	13 ^s	29 ^w	Gove	
CUSTOMER		6002 Southto		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS		Rd 0		103	Walt		
CITY		3-west		801-857	Austin		
STATE		1-SE			J.D.		
ZIP CODE							

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4700' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 XH TUBING _____ OTHER _____
 SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Rig up Equipment. Plug as ordered

50 sks @ 213.00'
100 sks @ 1275'
50 sks @ 300'
10 sks @ 40 w/ Plug
30 sks in R.H.

Thank You
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	1,150 ⁰⁰	1,150 ⁰⁰
	40	MILEAGE	7 ¹⁵	286 ⁰⁰
	10.32	Ton Mileage Delivery	17 ⁵	722 ⁴⁰
	240 - sks	Lite Weight Blend V	16 ⁰⁰	3,840 ⁰⁰
	60 #	Flow Seal	3 ⁰⁰	180 ⁰⁰
	1	8 5/8 - wooden Plug	165 ⁰⁰	165 ⁰⁰
				6,343 ⁴⁰
		Less 55%		- 3,480 ⁸⁰
				2,854 ⁵²
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Mudgrove

Petroleum Geology
212 Main Street, Claflin KS

NOTES

Company: U.S. OIL RESOURCES, LLC.

Lease: OTTLEY #10D-27-1329

Field: WILDCAT

Location: SW-SE-NW-SE (1583' FSL & 1853' FEL)

Sec: 27 Twsp: 13S Rge: 29W

County: GOVE State: KANSAS

KB: 2796' DF: 2794' GL: 2788'

Contractor: DUKE DRILLING, INC. (RIG #2)

Spud: 06/5/2020 Comp: 06/16/2020

RTD: 4700' LTD: 4697'

Mud Up: 3400' Type Mud: CHEMICAL

Surface Casing : 8 5/8"@ 264'

Production Casing: None

Electronic Surveys by: ELI WIRELINE, DIL, CDL/CNL, PE, MICRO, SONIC LOG

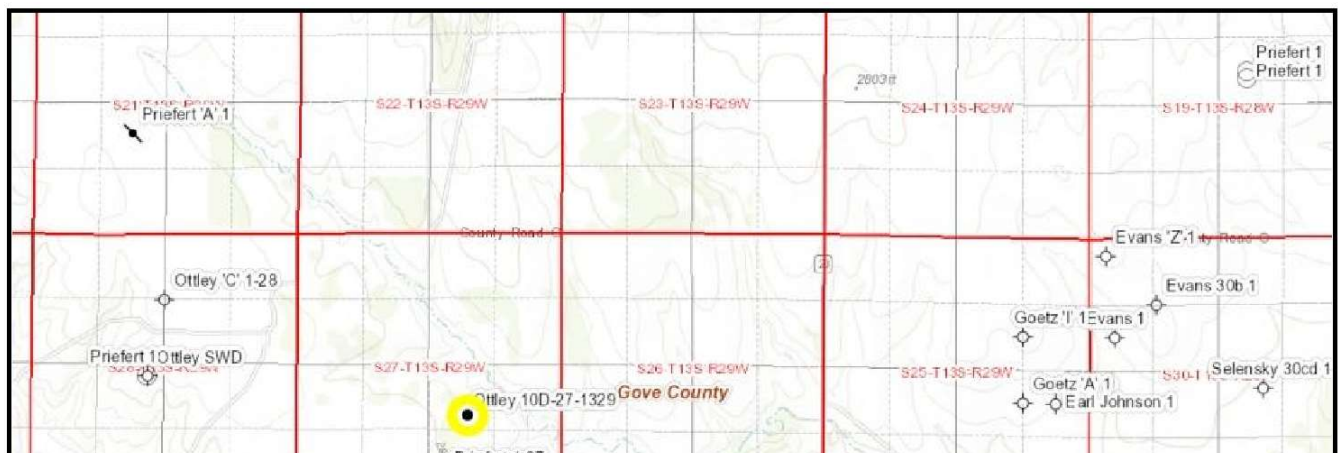
Formation Testing: TRILOBITE TESTING, LLC (2 DST's)

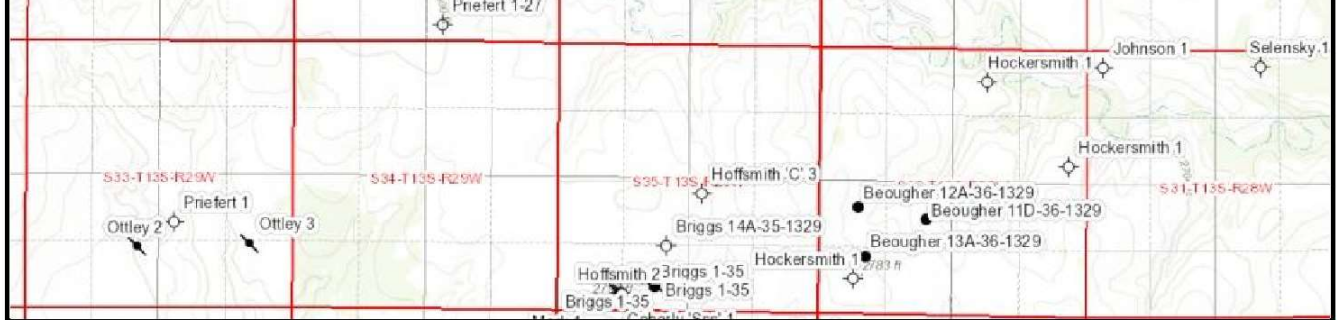
Geological Supervision from: 3500' to RTD

Samples Saved From: 3500' to RTD

Drilling Time Kept From: 3500' to RTD

Samples Examined From: 3500' to RTD





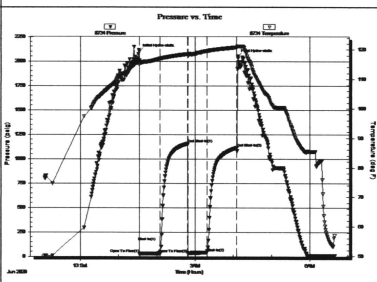
RILOBITE TESTING, INC.
 US Oil Resources LLC
 6727 W. PRENTICE Ave
 Lakewood, CO 80123
 ATTN: Jim Musgrove

27- 13S. - 29W. Gove, KS
Ottley #10D-27-1329
 Job Ticket: 66125 DST#: 1
 Test Start: 2020.06.12 @ 23:04:00

GENERAL INFORMATION:
 Formation: Lansing "I & J"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:32:50
 Time Test Ended: 06:39:09
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Martine Salinas
 Unit No: 82
 Interval: 4121.00 ft (KB) To 4186.00 ft (KB) (TVD)
 Total Depth: 4186.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches/Hole Condition: Good
 Reference Elevations: 2796.00 ft (KB)
 2788.00 ft (CF)
 KB to GRVCF: 8.00 ft

Serial #: 8734	Outside				
Press@RunDepth:	40.92 psig @	4122.00 ft (KB)	Capacity:	8000.00	psig
Start Date:	2020.06.12	End Date:	2020.06.13	Last Callb.:	2020.06.13
Start Time:	23:04:00	End Time:	06:39:09	Time On Btm:	2020.06.13 @ 01:32:40
				Time Off Btm:	2020.06.13 @ 04:07:20

TEST COMMENT: 30-IF-1/2" blow built to 1" @ 15 mins & maintained blow
 45-ISI-No blow back
 30-FF-No blow
 45-FSI-No blow back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.69	116.27	Initial Hydro-static
1	26.22	115.00	Open To Flow (1)
33	32.61	116.99	Shut-In(1)
76	1157.34	118.54	End Shut-In(1)
76	33.28	117.90	Open To Flow (2)
106	40.92	119.53	Shut-In(2)
153	1113.59	120.79	End Shut-In(2)
155	2047.47	121.16	Final Hydro-static

Length (ft)	Description	Volume (bb)
32.00	100% Mud w/ Oil specks	0.45

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

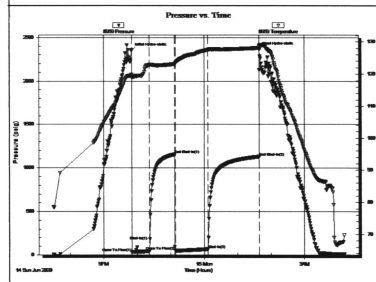
RILOBITE TESTING, INC.
 US Oil Resources LLC
 6727 W. PRENTICE Ave
 Lakewood, CO 80123
 ATTN: Jim Musgrove

27- 13S. - 29W. Gove, KS
Ottley #10D-27-1329
 Job Ticket: 66551 DST#: 2
 Test Start: 2020.06.14 @ 19:30:00

GENERAL INFORMATION:
 Formation: Mississippian/Surge
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:50:40
 Time Test Ended: 04:11:30
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Interval: 4478.00 ft (KB) To 4540.00 ft (KB) (TVD)
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches/Hole Condition: Good
 Reference Elevations: 2796.00 ft (KB)
 2788.00 ft (CF)
 KB to GRVCF: 8.00 ft

Serial #: 8959	Inside				
Press@RunDepth:	66.73 psig @	4479.00 ft (KB)	Capacity:	8000.00	psig
Start Date:	2020.05.14	End Date:	2020.05.15	Last Callb.:	2020.05.15
Start Time:	19:30:00	End Time:	04:11:30	Time On Btm:	2020.06.14 @ 21:50:30
				Time Off Btm:	2020.06.15 @ 01:39:09

TEST COMMENT: 30-IF-1/4" blow built to 2"
 45-ISI-No blow back
 60-FF-S blow built to 2"
 90-FSI-No blow back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.03	119.84	Initial Hydro-static
1	29.08	118.79	Open To Flow (1)
32	39.92	122.91	Shut-In(1)
77	1154.88	123.11	End Shut-In(1)
79	46.23	123.42	Open To Flow (2)
137	66.73	127.54	Shut-In(2)
228	1130.20	128.11	End Shut-In(2)
229	2361.39	128.73	Final Hydro-static

Length (ft)	Description	Volume (bb)
95.00	100% Mud	1.33

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

LOGGED BY



Company: Musgrove Petroleum, Inc.
 Address: 212 Main St.
 Clafin, KS 67525

Phone Nbr: (620) 588-4250
 Logged By: Geologist KLG # 307

Name: JIM MUSGROVE

ROCK TYPES

Cht	Dolprim	Lmst fw>	Carbon Sh
Cht vari	sdy lmst	shale, grn	shale, red
Chtcong1	Lmst fw<7	shale, gry	

ACCESSORIES

MINERAL

△ Chert White

OTHER SYMBOLS

MISC

- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

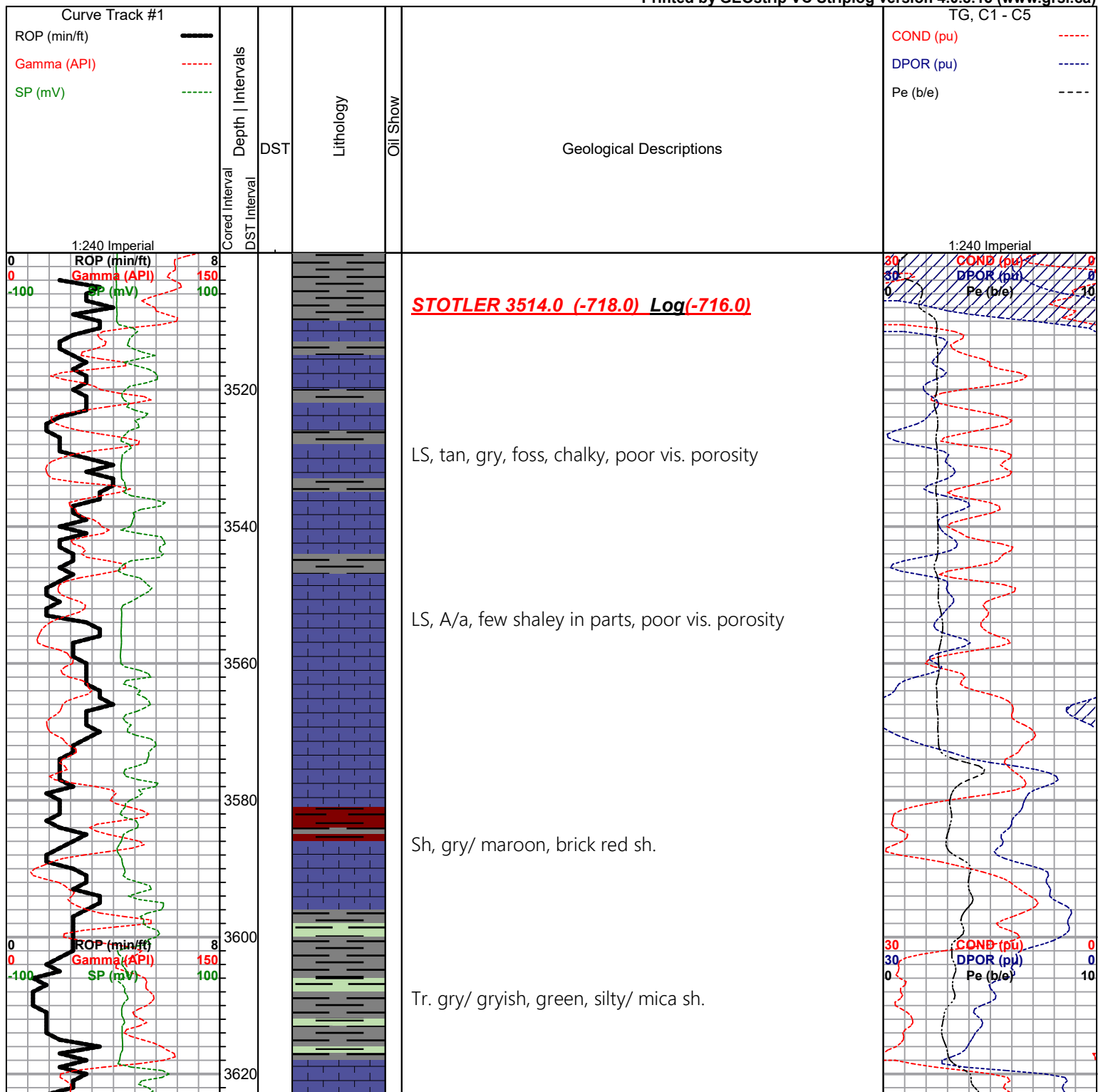
Oil Show

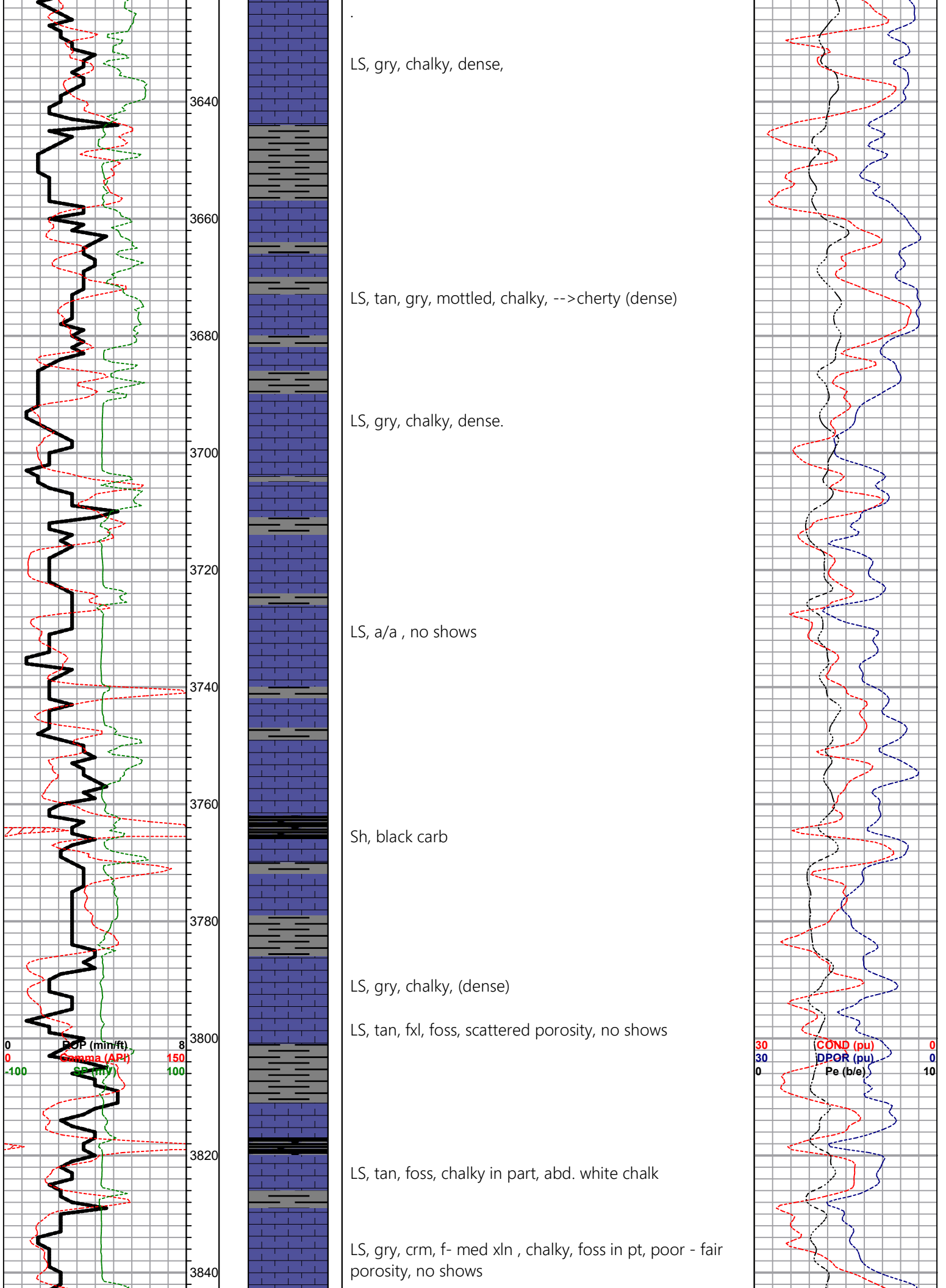
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- Dead Oil Stn
- Fluorescence
- Gas

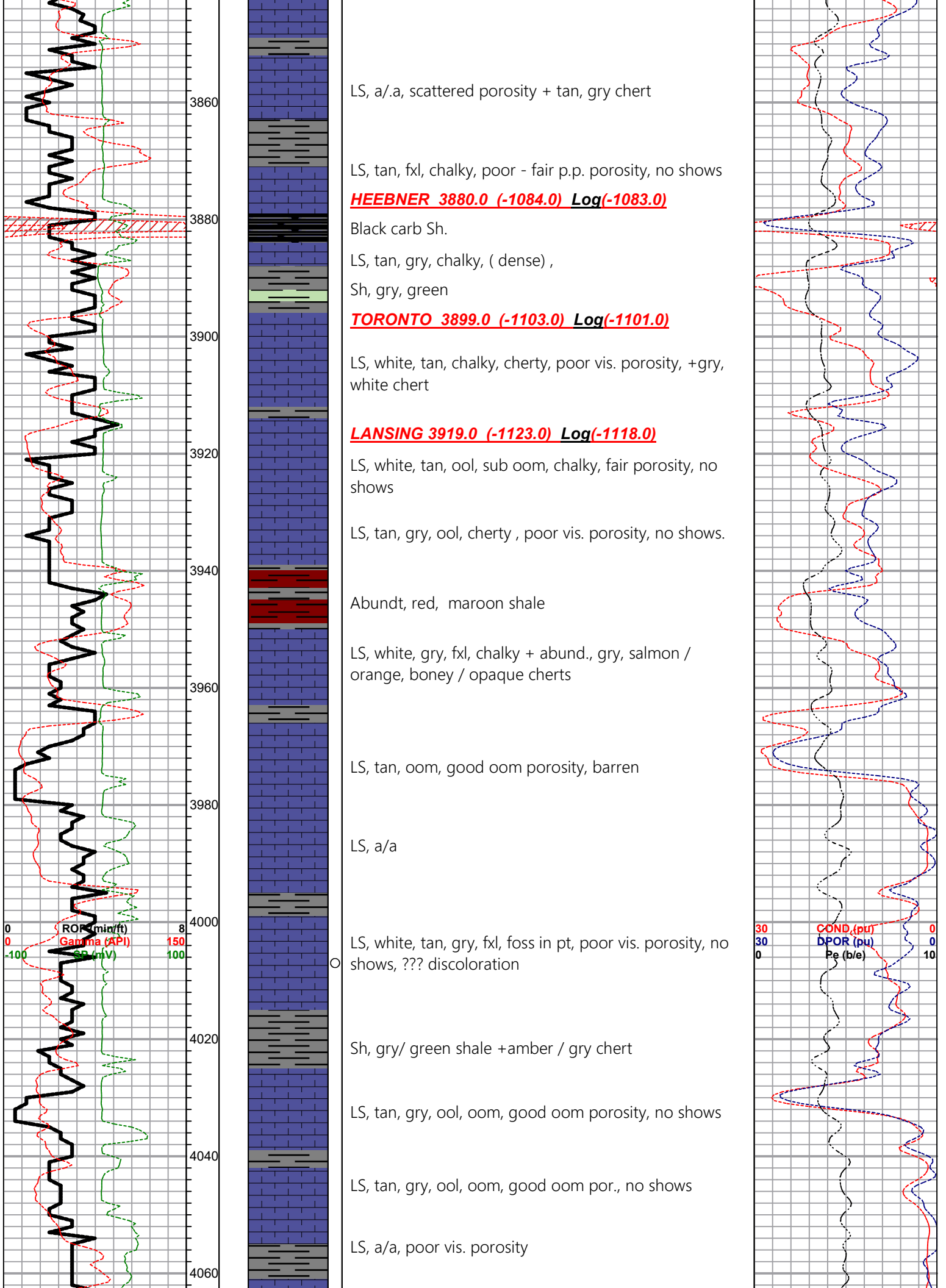
DST

- DST Int
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)







MUNCIE CREEK 4067.0 (-1271.0) Log(-1271.0)

Sh, black carb

LS, tan, fxl, highly ool, poor vis. porosity, no shows

LS, gry, white, foss, chalky, poor vis. porosity

LS, tan, brown, cherty (dense)

LS, white/ gry, crm, chalky, poor vis. porosity, tr. blk dead stain, nsfo, no odor

LS, white/ crm, f-med xln, foss, fair porosity, poor stain , tr. fo, ft. odor

STARK 4154.0 (-1358.0) Log(-1355.0)

Sh, black carb

LS, white/ gry, fxl, ool/foss, sl. chalky, brown stain , sfo ft. odor

LS, a/a, chalky, poor, vis. porosity,

HUSHPUCKNEY 4189.0 (-1393.0) Log(-1389.0)

Sh, black carb

LS, white, gry, chalky, foss, dense, poor vis. porosity

Sh, black carb sh,
??? tr. LS, tan, foss, scattered porosity, tr. brown stain , nsfo, tr. odor, when broken

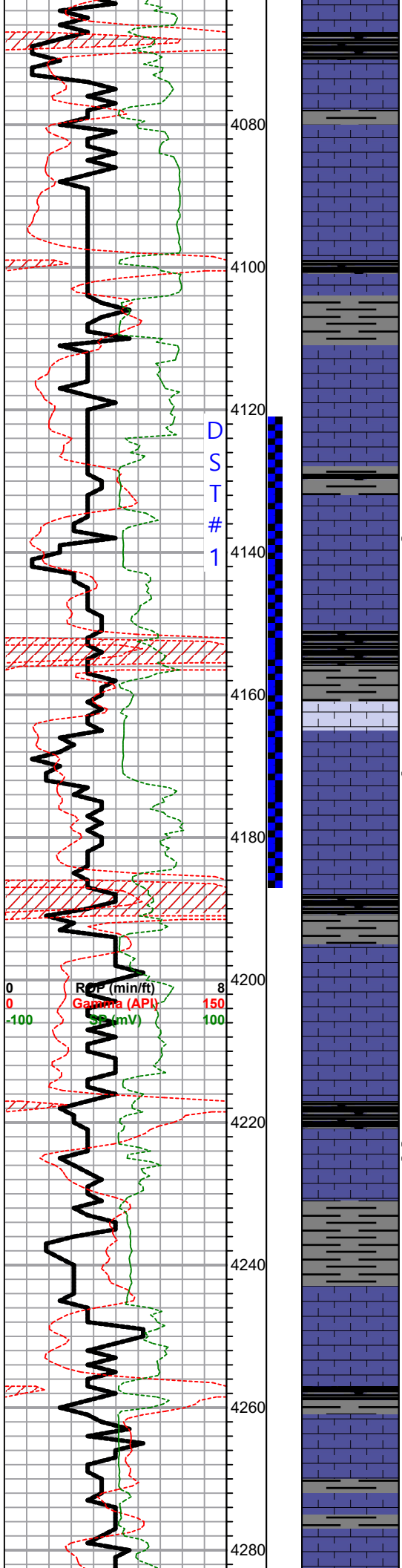
BKC 4236.0 (-1440.0) Log(-1434.0)

Sh, gry, lime green, silty, sh.

LS, tan, gry, fxl, slightly cherty, dense

MARMATON 4263.0 (-1467.0) Log(-1465.0)

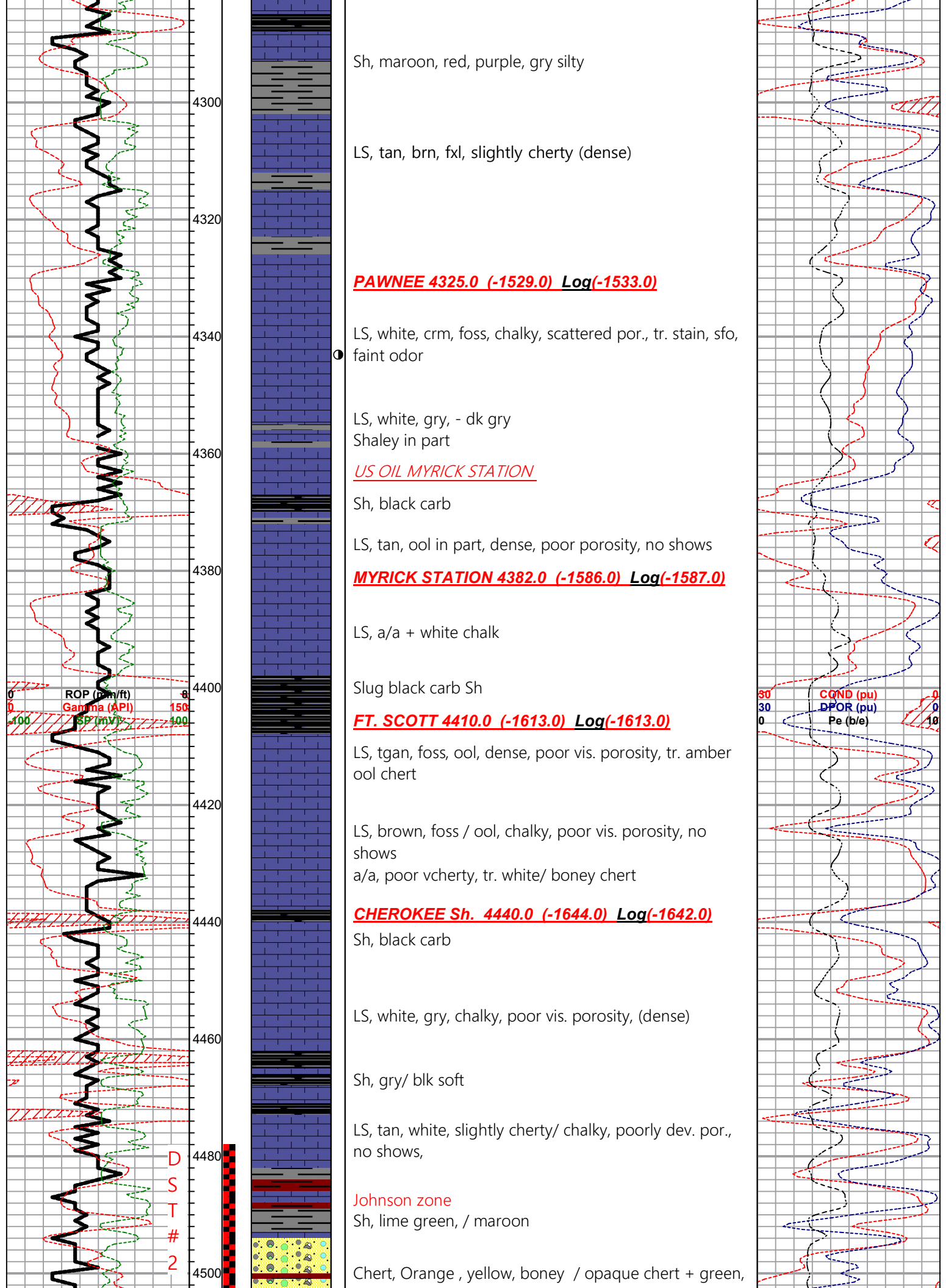
LS, white, crm, foss, chalky in pts, dense no shows



dst 1_2 Ottley cropped....

0 RSP (min/ft) 8
 0 Gamma (API) 150
 -100 DPOR (pu) 100

30 COND (pu) 8
 30 DPOR (pu) 10
 0 Pe (b/e) 10



/ red sandy sh.

MISS. SPERGEN 4510.0 (-1714.0) Log(-1712.0)

Dol, gry, tan, fxl, suc. foss, cherty in part, poorly developed, cherty in pt, no shows.

Dol. a/a, poor porosity, cherty (barron) + tr. white, boney chert

MISS. WARSAW 4542.0 (-1746.0) Log(-1744.0)

LS, white, gry, f- med xln chalky, poorly dev. por.

LS, white, yellow tinted foss, few with cherty inclusions.

LS, tan, gry, crm, med xln, chalky, tr. glauc.

MISS. OSAGE 4588.0 (-1792.0) Log(-1787.0)

Tr. dolomite, gry / tan, suc. + white/ gry, boney chert

Abundant chert, white, gry, foss, opaque + white, cherty dense dolomite

a/a

Slug of gry, white, foss, opaque cherts + white, cherty (dense) dolomite.

"OSAGE LIME" 4622.0 (-1813.0) Log(-1813.0)

LS, tan, ool, cherty (dense)

Chert, white, gry boney

Tr. LS, tan, brn, dense, Sh, gry green

Slug sh, a/a (maroon, red, gry, sh.)

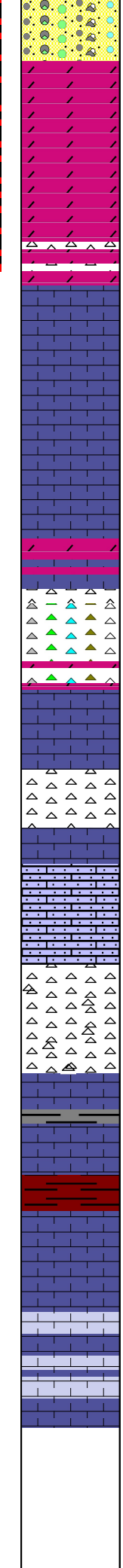
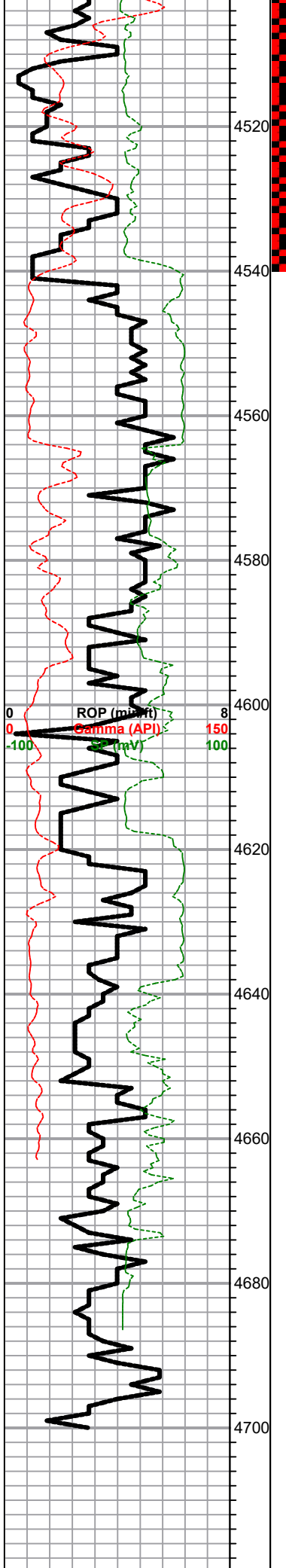
GILMORE CITY 4676.0 (-1878.0) Log(-1878.0)

LS, gry, crm ,ool, chalky, med. xln, no shows

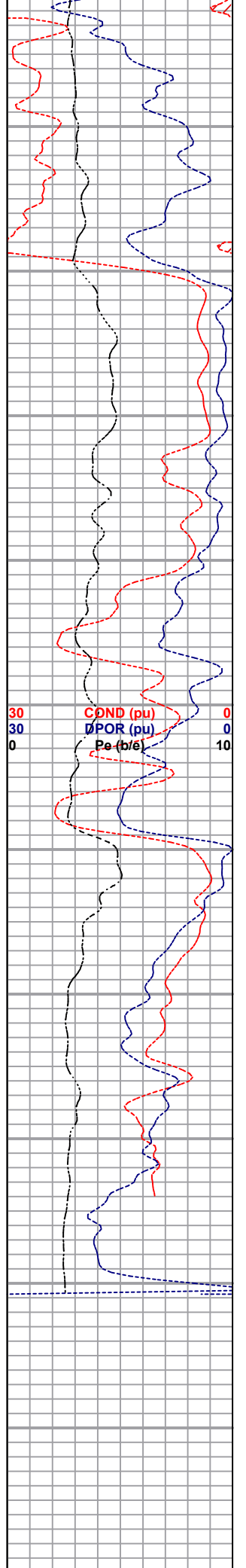
LS, a/a, highly ool, chalky, tr. glauc.

LTD 4697.0 (-1901.0) Log(-1901.0)

RTD 4700.0 (-1904.0) Log(-1904.0)



Text descriptions of geological units and their characteristics, including lithology, fossil content, and chert presence. The text is organized into sections corresponding to the geological units mentioned in the text.





DRILL STEM TEST REPORT

Prepared For: **US Oil Resources LLC**

6727 W. Prentice Ave
Lakewood, CO 80123

ATTN: Jim Musgrove

Ottley #10D-27-1329

27-13S-29W Gove,KS

Start Date: 2020.06.12 @ 23:04:00

End Date: 2020.06.13 @ 06:39:09

Job Ticket #: 66125 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.06.16 @ 15:19:20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources LLC
 6727 W. Prentice Ave
 Lakewood, CO 80123
 ATTN: Jim Musgrove

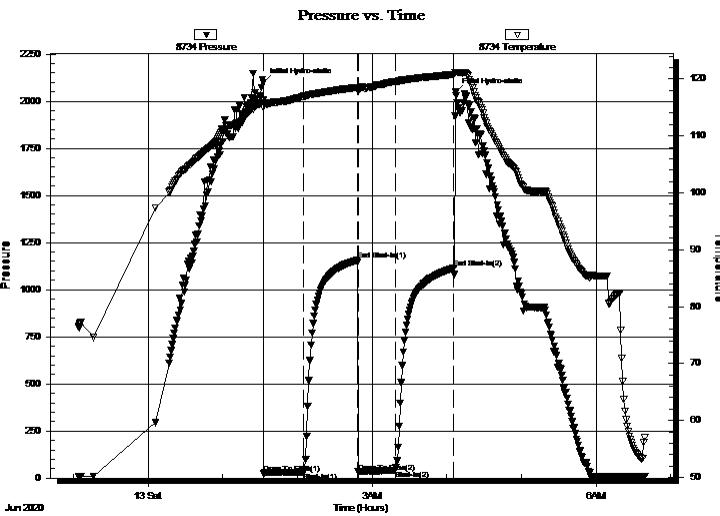
27-13S-29W Gove, KS
Ottley #10D-27-1329
 Job Ticket: 66125 **DST#: 1**
 Test Start: 2020.06.12 @ 23:04:00

GENERAL INFORMATION:

Formation: **LKC "I - J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:32:50 Tester: Martine Salinas
 Time Test Ended: 06:39:09 Unit No: 82
 Interval: **4121.00 ft (KB) To 4186.00 ft (KB) (TVD)** Reference Elevations: 2796.00 ft (KB)
 Total Depth: 4186.00 ft (KB) (TVD) 2788.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 40.92 psig @ 4122.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.06.12 End Date: 2020.06.13 Last Calib.: 2020.06.13
 Start Time: 23:04:01 End Time: 06:39:10 Time On Btm: 2020.06.13 @ 01:32:40
 Time Off Btm: 2020.06.13 @ 04:07:20

TEST COMMENT: 30-IF-1/2" blow built to 1" @ 15 mins & maintained blow
 45-ISI-No blow back
 30-FF-No blow
 45-FSI-No blow back



PRESSURE SUMMARY

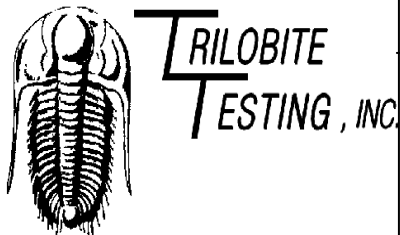
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.69	116.27	Initial Hydro-static
1	26.22	115.00	Open To Flow (1)
33	32.61	116.99	Shut-In(1)
76	1157.34	118.54	End Shut-In(1)
76	33.28	117.90	Open To Flow (2)
106	40.92	119.53	Shut-In(2)
153	1113.59	120.79	End Shut-In(2)
155	2047.47	121.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
32.00	100% Mud w / Oil specks	0.45

Gas Rates

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



DRILL STEM TEST REPORT

US Oil Resources LLC
 6727 W. Prentice Ave
 Lakewood, CO 80123
 ATTN: Jim Musgrove

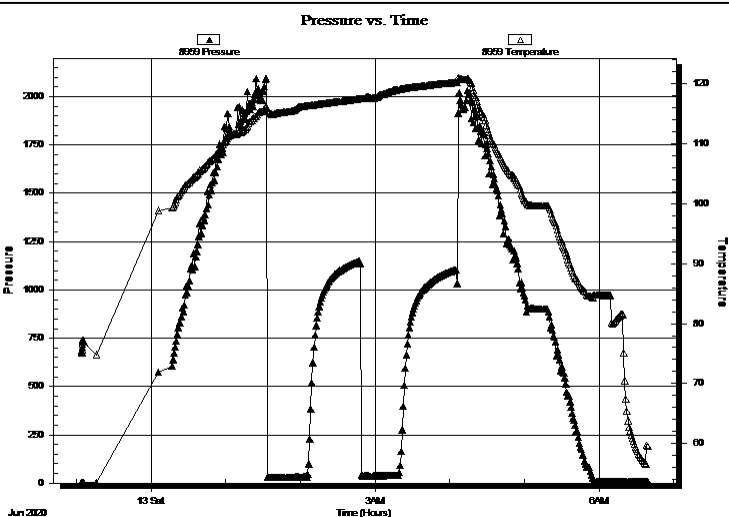
27-13S-29W Gove, KS
Ottley #10D-27-1329
 Job Ticket: 66125 **DST#: 1**
 Test Start: 2020.06.12 @ 23:04:00

GENERAL INFORMATION:

Formation: **LKC "I - J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:32:50 Tester: Martine Salinas
 Time Test Ended: 06:39:09 Unit No: 82
 Interval: **4121.00 ft (KB) To 4186.00 ft (KB) (TVD)** Reference Elevations: 2796.00 ft (KB)
 Total Depth: 4186.00 ft (KB) (TVD) 2788.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8959 Inside
 Press@RunDepth: psig @ 4122.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.06.12 End Date: 2020.06.13 Last Calib.: 2020.06.13
 Start Time: 23:04:01 End Time: 06:39:10 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-1/2" blow built to 1" @ 15 mins & maintained blow
 45-ISI-No blow back
 30-FF-No blow
 45-FSI-No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
32.00	100% Mud w / Oil specks	0.45

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

US Oil Resources LLC

27-13S-29W Gove,KS

6727 W. Prentice Ave
Lakewood, CO 80123

Ottley #10D-27-1329

Job Ticket: 66125

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.06.12 @ 23:04:00

Tool Information

Drill Pipe:	Length: 4104.00 ft	Diameter: 3.80 inches	Volume: 57.57 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4121.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4097.00	
Hydraulic tool	5.00	1113		4102.00	
Jars	5.00	01-07		4107.00	
EM Tool	4.00	-001		4111.00	
Packer	5.00			4116.00	29.00 Bottom Of Top Packer
Packer	5.00			4121.00	
Stubb	1.00			4122.00	
Recorder	0.00	8959	Inside	4122.00	
Recorder	0.00	8734	Outside	4122.00	
Perforations	28.00			4150.00	
Change Over Sub	1.00			4151.00	
Drill Pipe	31.00			4182.00	
Change Over Sub	1.00			4183.00	
Bullnose	3.00			4186.00	65.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

US Oil Resources LLC

27-13S-29W Gove,KS

6727 W. Prentice Ave
Lakewood, CO 80123

Ottley #10D-27-1329

Job Ticket: 66125

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.06.12 @ 23:04:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
32.00	100% Mud w / Oil specks	0.449

Total Length: 32.00 ft Total Volume: 0.449 bbl

Num Fluid Samples: 0

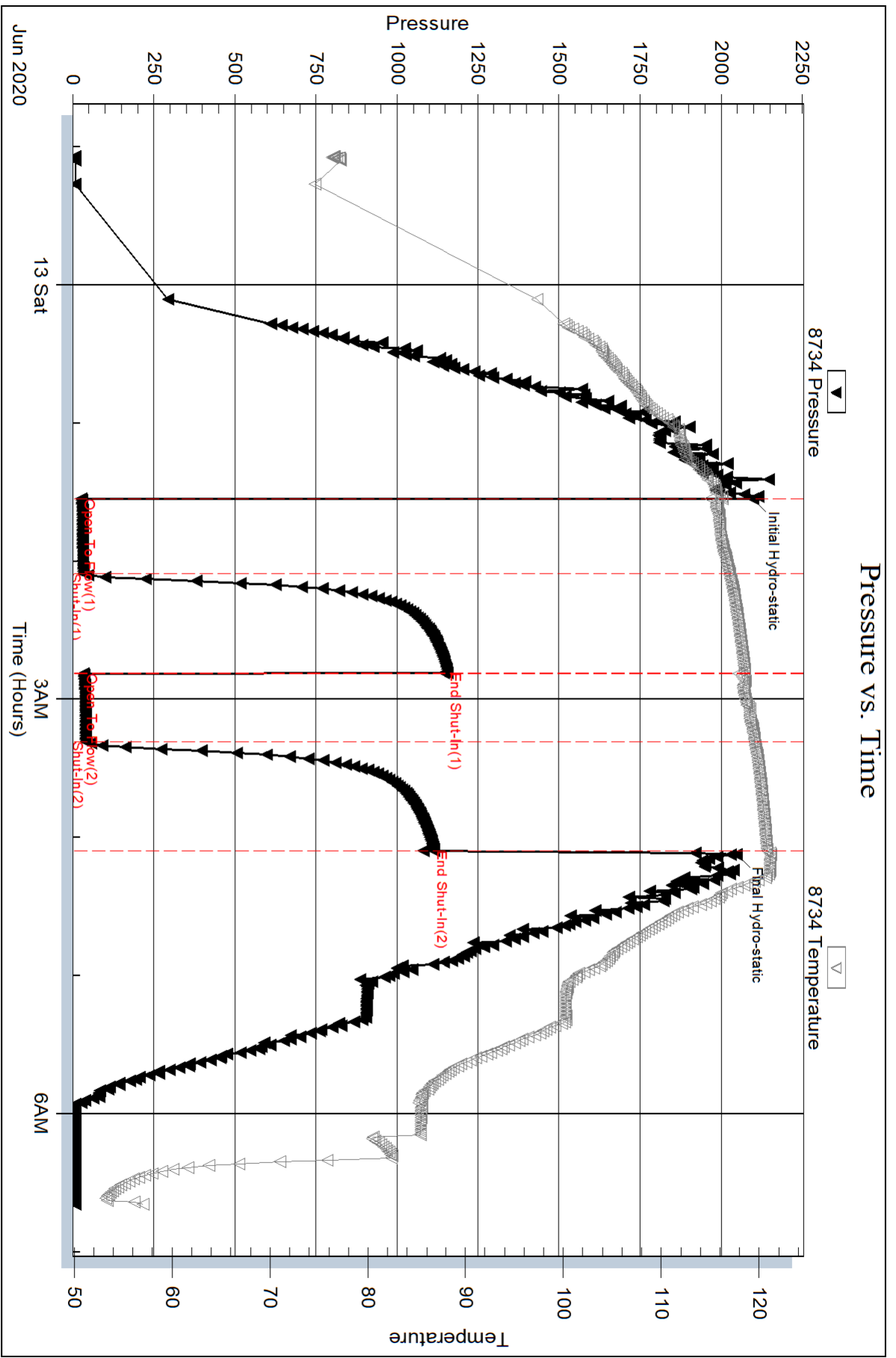
Num Gas Bombs: 0

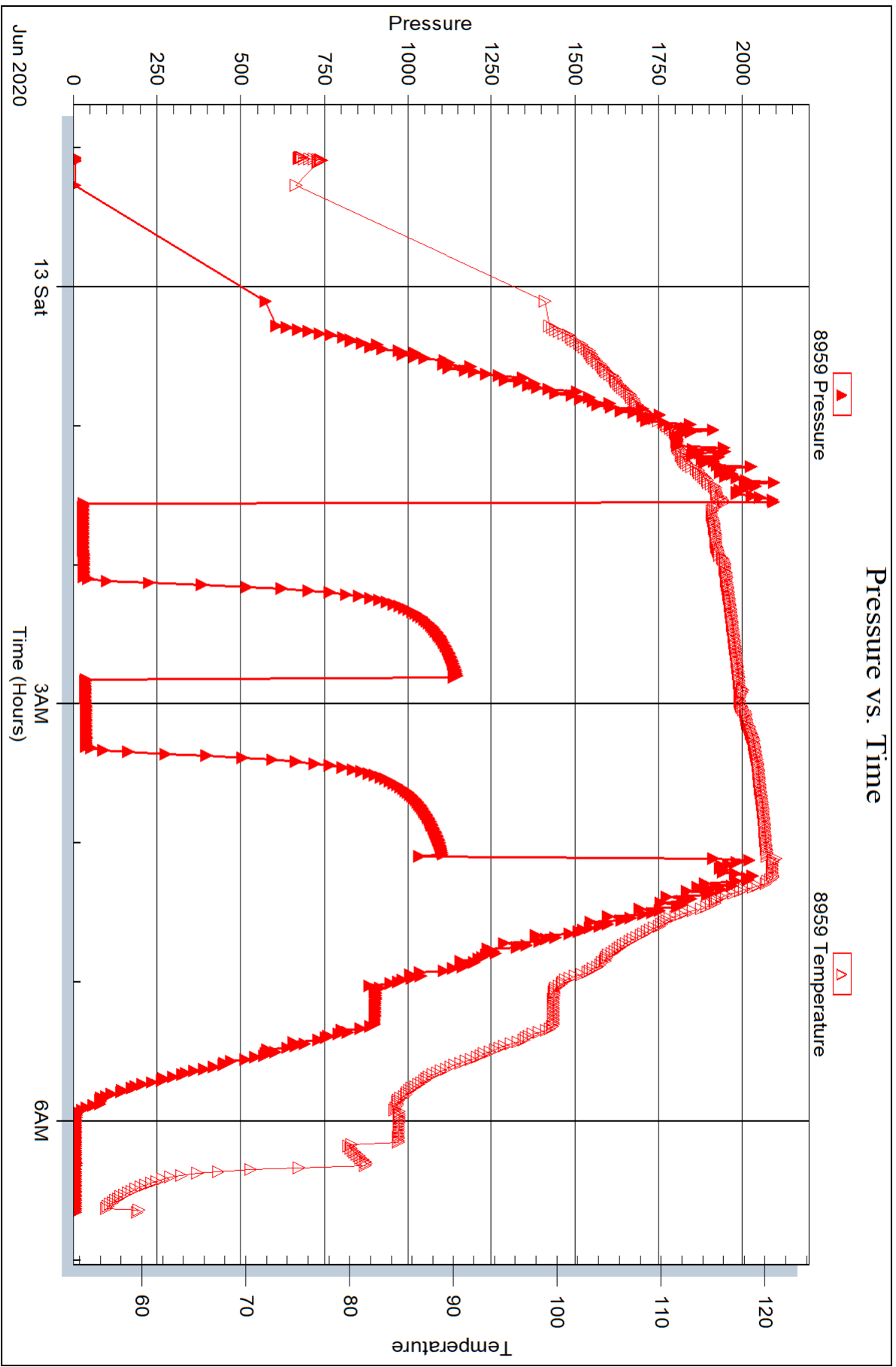
Serial #:

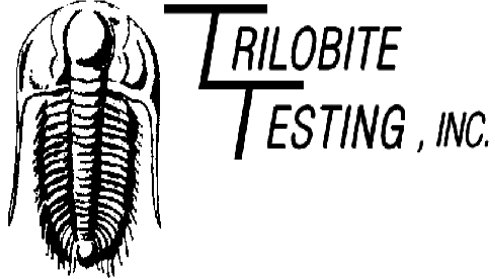
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **US Oil Resources LLC**

6727 W. Prentice Ave
Lakewood, CO 80123

ATTN: Jim Musgrove

Ottley #10D-27-1329

27-13S-29W Gove,KS

Start Date: 2020.06.14 @ 19:30:00

End Date: 2020.06.15 @ 04:11:30

Job Ticket #: 66551 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.06.16 @ 15:18:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources LLC
 6727 W. Prentice Ave
 Lakewood, CO 80123
 ATTN: Jim Musgrove

27-13S-29W Gove, KS
Ottley #10D-27-1329
 Job Ticket: 66551 **DST#: 2**
 Test Start: 2020.06.14 @ 19:30:00

GENERAL INFORMATION:

Formation: **Mississippian/Spurge**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:50:40
 Time Test Ended: 04:11:30
 Interval: **4478.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 2796.00 ft (KB)
 2788.00 ft (CF)
 KB to GR/CF: 8.00 ft

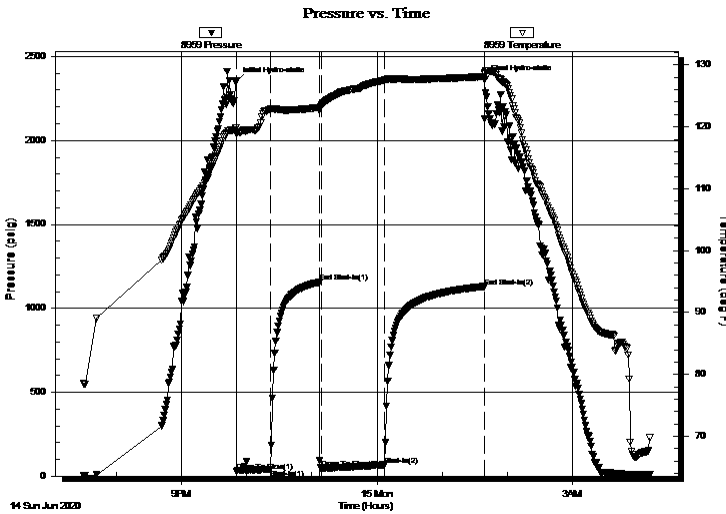
Serial #: 8959

Inside

Press@RunDepth: 66.73 psig @ 4479.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.06.14 End Date: 2020.06.15 Last Calib.: 2020.06.15
 Start Time: 19:30:01 End Time: 04:11:30 Time On Btm: 2020.06.14 @ 21:50:30
 Time Off Btm: 2020.06.15 @ 01:39:09

TEST COMMENT: 30-IF-1/4" blow built to 2"
 45-ISI-No blow back
 60-FF-S.blow built to 2"
 90-FSI-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.03	119.84	Initial Hydro-static
1	29.08	118.79	Open To Flow (1)
32	39.92	122.91	Shut-In(1)
77	1154.88	123.11	End Shut-In(1)
79	46.23	123.42	Open To Flow (2)
137	66.73	127.54	Shut-In(2)
228	1130.20	128.11	End Shut-In(2)
229	2361.39	128.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	100% Mud	1.33

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

US Oil Resources LLC
 6727 W. Prentice Ave
 Lakewood, CO 80123
 ATTN: Jim Musgrove

27-13S-29W Gove,KS
Ottley #10D-27-1329
 Job Ticket: 66551 **DST#: 2**
 Test Start: 2020.06.14 @ 19:30:00

GENERAL INFORMATION:

Formation: **Mississippian/Spurge**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:50:40

Time Test Ended: 04:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4478.00 ft (KB) To 4540.00 ft (KB) (TVD)

Reference Elevations: 2796.00 ft (KB)

Total Depth: 4540.00 ft (KB) (TVD)

2788.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: psig @ 4479.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.06.14 End Date: 2020.06.15

Last Calib.: 2020.06.15

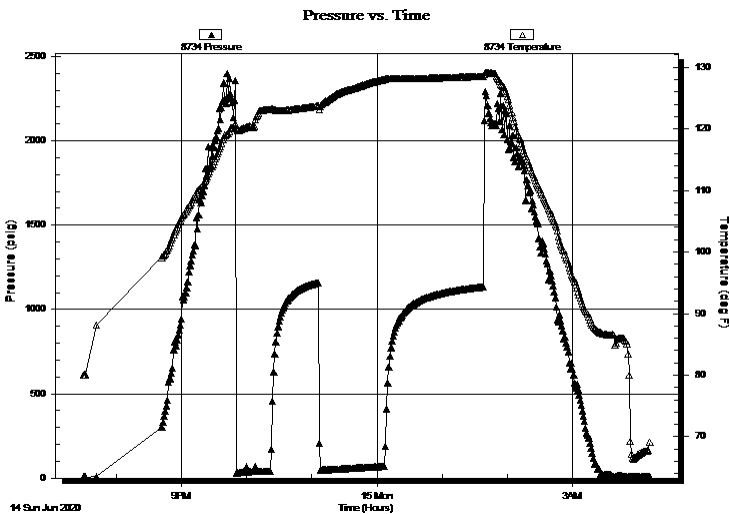
Start Time: 19:30:01 End Time: 04:11:40

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-1/4" blow built to 2"
 45-ISI-No blow back
 60-FF-S.blow built to 2"
 90-FSI-No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
95.00	100% Mud	1.33

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

US Oil Resources LLC

27-13S-29W Gove,KS

6727 W. Prentice Ave
Lakewood, CO 80123

Ottley #10D-27-1329

Job Ticket: 66551

DST#: 2

ATTN: Jim Musgrove

Test Start: 2020.06.14 @ 19:30:00

Tool Information

Drill Pipe:	Length: 4478.00 ft	Diameter: 3.80 inches	Volume: 62.81 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 62.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4478.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4454.00	
Hydraulic tool	5.00	1113		4459.00	
Jars	5.00	01-07		4464.00	
EM Tool	4.00	-001		4468.00	
Packer	5.00			4473.00	29.00 Bottom Of Top Packer
Packer	5.00			4478.00	
Stubb	1.00			4479.00	
Recorder	0.00	8959	Inside	4479.00	
Recorder	0.00	8734	Outside	4479.00	
Perforations	25.00			4504.00	
Change Over Sub	1.00			4505.00	
Drill Pipe	31.00			4536.00	
Change Over Sub	1.00			4537.00	
Bullnose	3.00			4540.00	62.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

US Oil Resources LLC
6727 W. Prentice Ave
Lakewood, CO 80123
ATTN: Jim Musgrove

27-13S-29W Gove,KS
Ottley #10D-27-1329
Job Ticket: 66551 **DST#: 2**
Test Start: 2020.06.14 @ 19:30:00

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	100% Mud	1.333

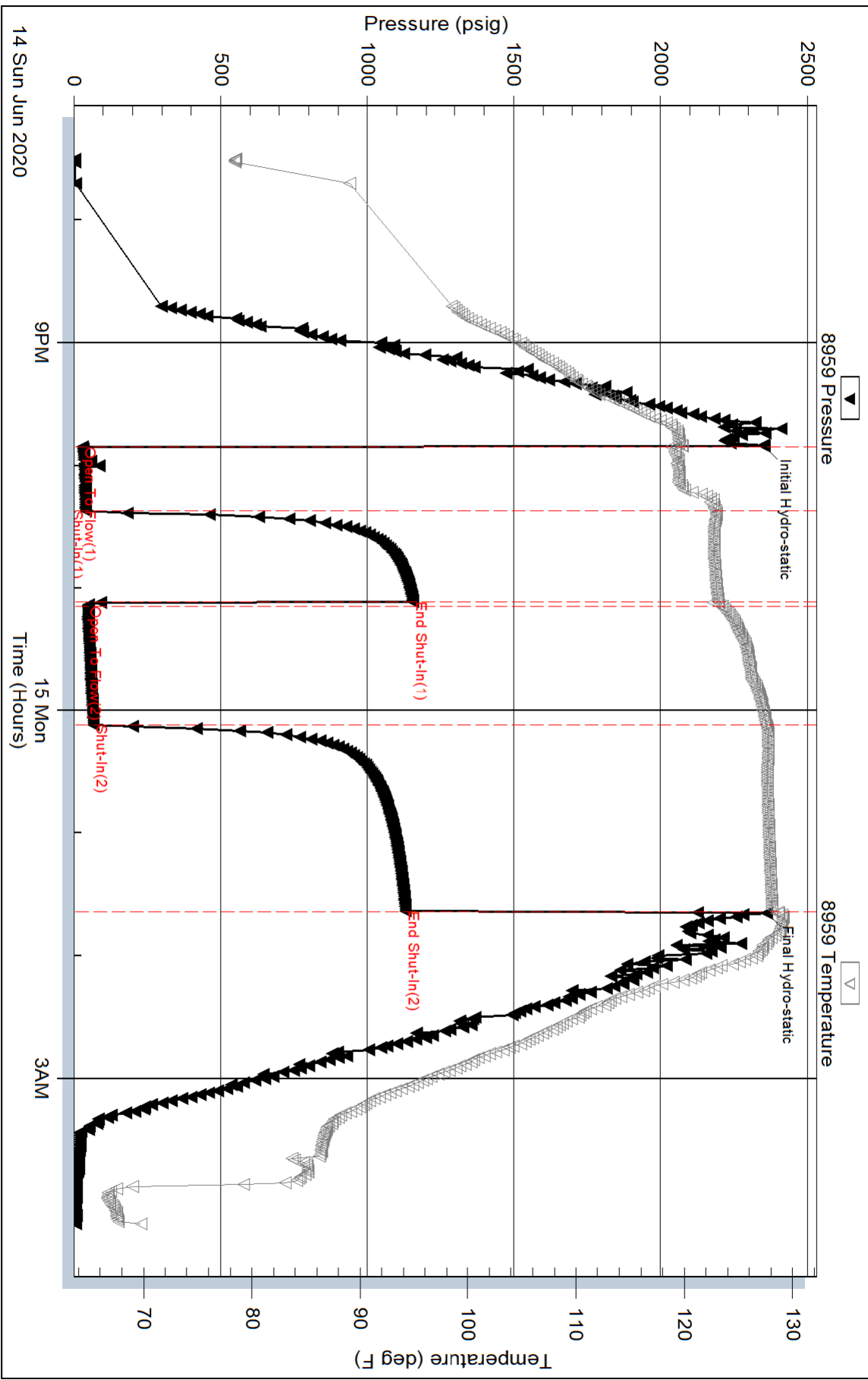
Total Length: 95.00 ft Total Volume: 1.333 bbl

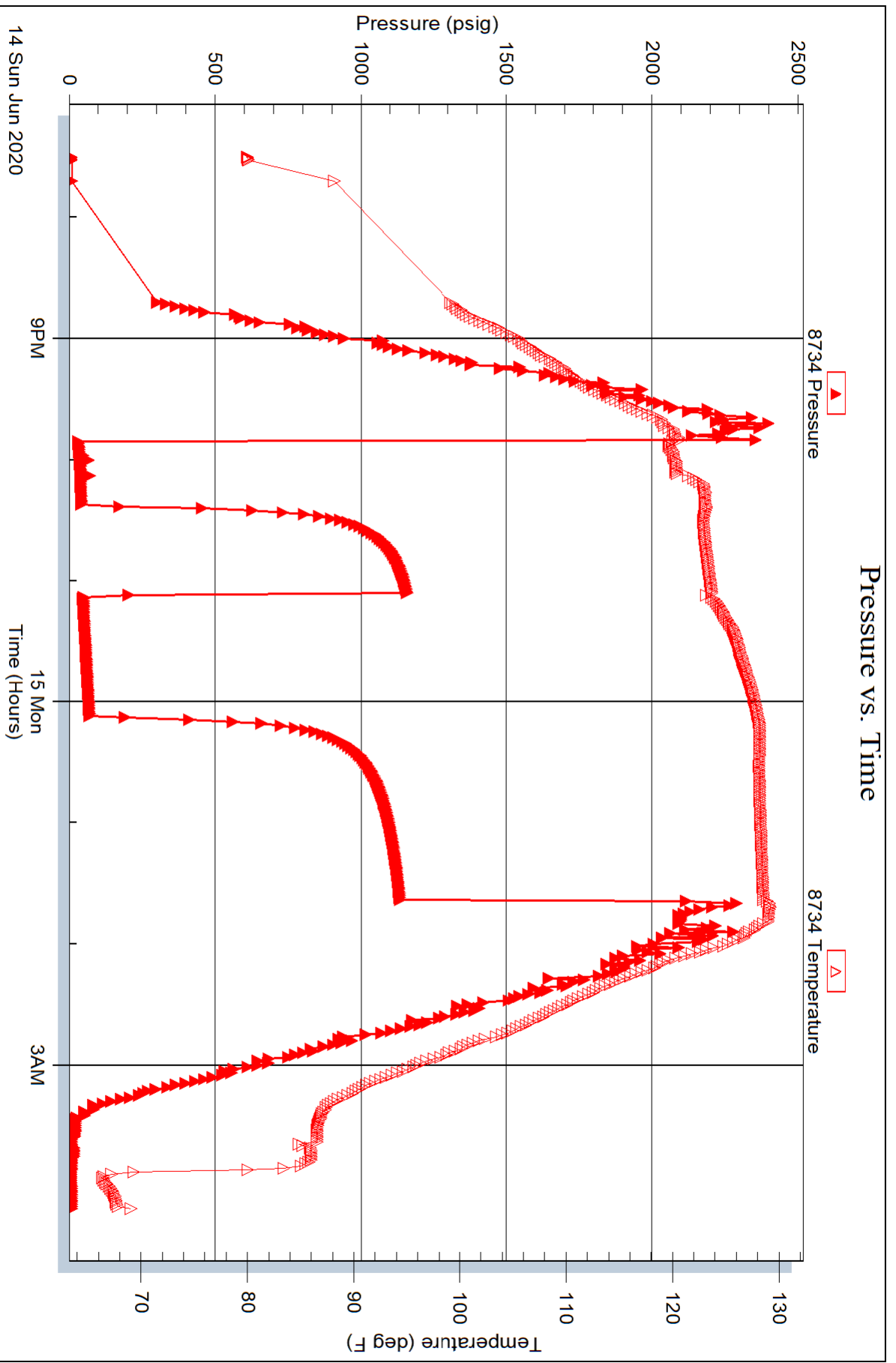
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66125

NO.

Well Name & No. Officy #100-27-1329 Test No. 1 Date 6-12-20
 Company US Oil Resources LLC Elevation 2796 KB 2788 GL
 Address 6727 W. PRENTICE Ave Lakewood, CO 80123
 Co. Rep / Geo. Jim Musgrave Rig Duke #2
 Location: Sec. 27 Twp 13S Rge. 29W Co. Grave State KS

Interval Tested 4121-4186 Zone Tested Lansing "I+J"
 Anchor Length 65' Drill Pipe Run 4104 Mud Wt. 9.1
 Top Packer Depth 4116 Drill Collars Run — Vis 54
 Bottom Packer Depth 4121 Wt. Pipe Run — WL 6.0
 Total Depth 4186 Chlorides 2200 ppm System LCM 2#

Blow Description IF: 1/2" blow built to 1" @ 15 mins & maintained blow
ISI - No blowback
FF - No blow
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>32</u>	<u>Mud w/oil specks</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 32 BHT 121 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2097 Test 1300 T-On Location 21:45
 (B) First Initial Flow 26 Jars 250 T-Started 23:04
 (C) First Final Flow 33 Safety Joint _____ T-Open 01:32
 (D) Initial Shut-In 1157 Circ Sub _____ T-Pulled 04:02
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 06:40
 (F) Second Final Flow 41 Mileage 111 RT 111 Comments _____
 (G) Final Shut-In 1114 Sampler _____
 (H) Final Hydrostatic 2047 Straddle _____ EM Tool 350
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total 0
 Initial Shut-In 45 Accessibility _____ Total 1661
 Final Flow 30 Sub Total 1661 MP/DST Disc't _____
 Final Shut-In 45

Approved By Adam J. Bl... Our Representative ...

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66551

NO.

Well Name & No. Ottley #10D-27-1329 Test No. 2 Date 6-14-20
 Company US Oil Resources, LLC Elevation 2796 KB 2788 GL
 Address 6727 W. PRENTICE Ave Lakewood, Co 80123
 Co. Rep / Geo. Jim Musgrave Rig Duke #2
 Location: Sec. 27 Twp 13S. Rge. 29W. Co. Grove State KS.

Interval Tested 4478 - 4540 Zone Tested Mississippian/Spurgen
 Anchor Length 62' Drill Pipe Run 4478 Mud Wt. 9.1
 Top Packer Depth 4473 Drill Collars Run — Vis 57
 Bottom Packer Depth 4478 Wt. Pipe Run — WL 6.8
 Total Depth 4540 Chlorides 2400 ppm System LCM 2#
 Blow Description IF - 1/4" blow built to 2"
ISI - No blowback
FF - S. blow built to 2"
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 95 BHT 129 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2353</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>19:00</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:30</u>
(C) First Final Flow <u>40</u>	<input type="checkbox"/> Safety Joint	T-Open <u>21:51</u>
(D) Initial Shut-In <u>1155</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>01:36</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>04:13</u>
(F) Second Final Flow <u>67</u>	<input checked="" type="checkbox"/> Mileage <u>111 RT</u> 111	Comments <u>Tools loaded @</u>
(G) Final Shut-In <u>1130</u>	<input type="checkbox"/> Sampler	<u>05:30</u>
(H) Final Hydrostatic <u>2361</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1661</u>
	Sub Total <u>1661</u>	MP/DST Disc't

Approved By Adam D. Bl Our Representative Justin Palmer

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.