

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) (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	Darrah Oil Company, LLC
Well Name	YOUNKIN 1-35
Doc ID	1530723

All Electric Logs Run

Sonic
comp density/neutron
dual induction
micro





Well-Site Geologists

Seth Evenson

Darrah Oil

125 N. Market Suite #1425  
Wichita, Kansas 67202

Software: HMG Strata Log  
HMG Software LLC  
PO Box 20658, Albuquerque, NM 87154  
505-320-3432 www.hmgsoftwarellc.com

Operator

Darrah Oil

Well Name

Younkin #1-35

Operator Address

125 N. Market, Suite #1425  
Wichita, Kansas 67202

Well Information

Field: Wildcat  
Region: N. Hugoton Embayment-Anadarko Basin  
Coordinates: Lat: 38.885754; Lon: -101.064186  
  
Location: NW/SW/NW/NE of sec 35 T13S R34W  
State: Logan County, Kansas  
API Index: 15-109-21605  
Rig Operator: Murfin Drilling, Inc. #21

Ground Elevation(ft): 2813.0  
KB Elevation(ft): 2824.0  
Spud Date: 5/30/2020  
Drilling Concluded: 6/6/2020  
Darrah Oil Geologist(s):  
Seth Evenson  
  
Rig Supervisor(s):  
Juan Tinoco

Hole Data

The Younkin #1-35 was plugged and abandoned as dry due to lack of oil charge or permability & porosity in zones which carried shows.

Casing Data




Set 8 5/8 inch surface casing @ 268 ft. with 165 sks

DST's








DST #1  
 3886' - 4070'  
 15-30-30-60  
 IHP= 1915#  
 IFP= 367# - 605#  
 ISIP= 1209#  
 FFP= 697# - 947#  
 FSIP= 1158#  
 FHP= 1859#  
 Rec: 1420 ft SMCW (98% W) &  
 600 ft MCW (75% W)

DST #2  
 4235' - 4370'  
 30-30-30-30  
 IHP= 2172#  
 IFP= 32# - 45#  
 ISIP= 961#  
 FFP= 50# - 59#  
 FSIP= 933#  
 FHP= 2163#  
 Rec: 70 ft. M w/oil spts

Log Images

-  Bit Trip
-  Midnight
-  Gas Show
-  Oil Show
-  Casing Show
-  AM Report
-  PM Report
-  Tight Connection
-  Fracture
-  Formation TOP
-  Formation MEMBER
-  Pressure Test
-  Carbonaceous
-  Calcite
-  Kaolinite
-  Survey
-  Pyrite
-  Fossil
-  Connection

Lithology

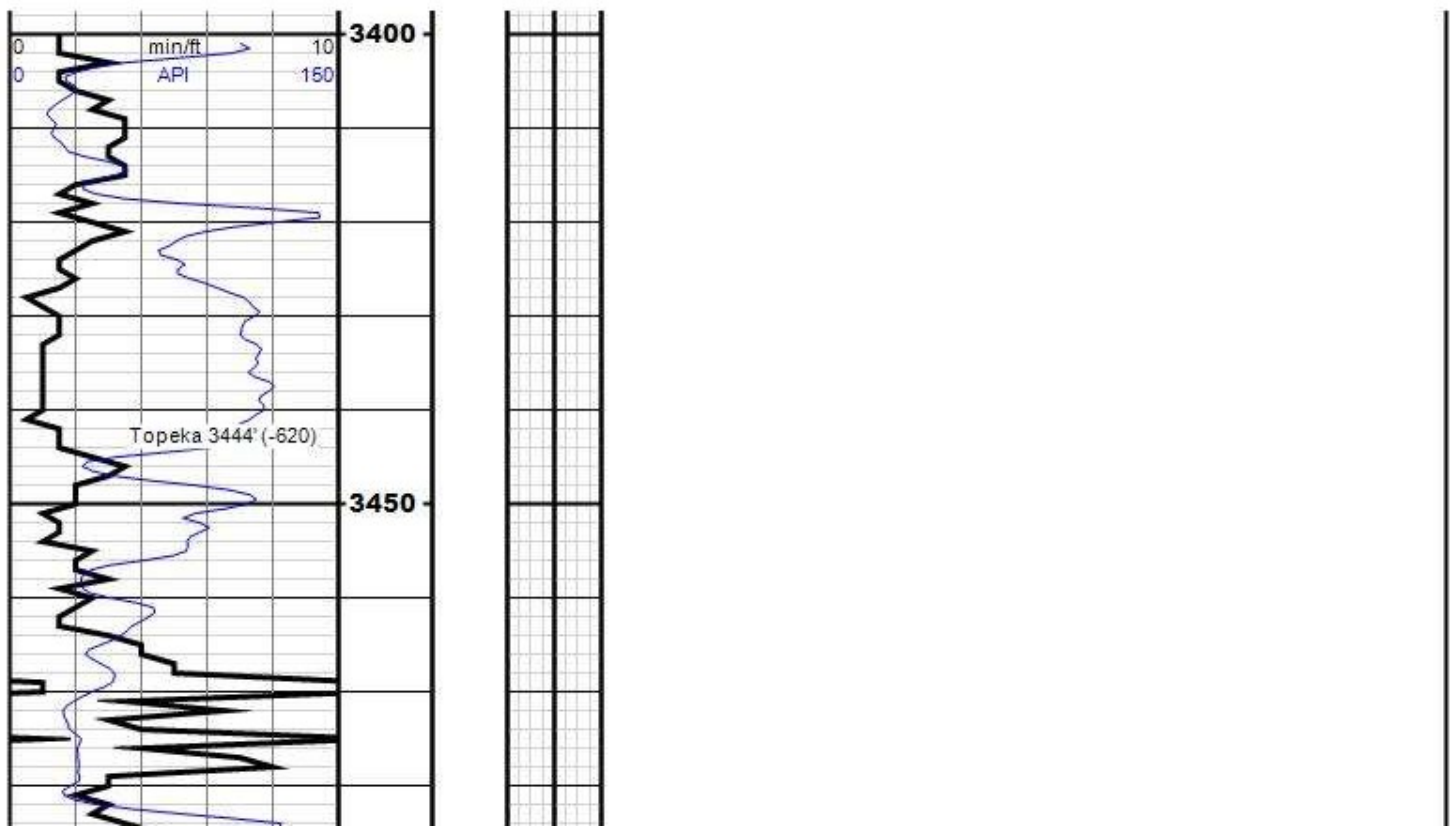
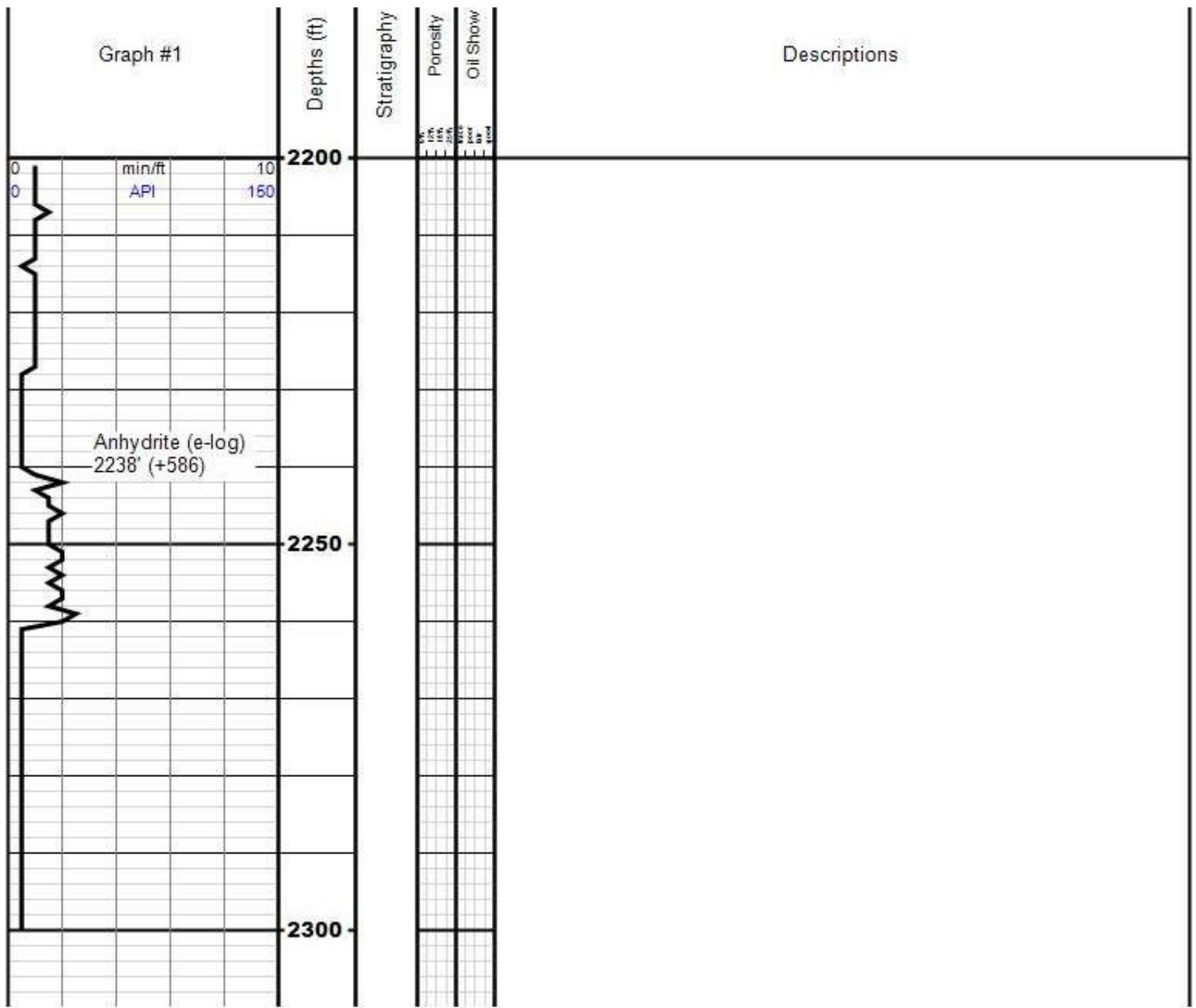
-  Anhydrite
-  Bentonite
-  Breccia
-  Carbonaceous Shale
-  Cement
-  Chert
-  Claystone
-  Coal
-  Conglomerate
-  Dolomite
-  Fault or Fracture
-  Glaucinite
-  Gypsum
-  Limestone
-  Marlstone
-  Mudstone
-  Salt
-  Sandstone
-  Shale
-  Siltstone

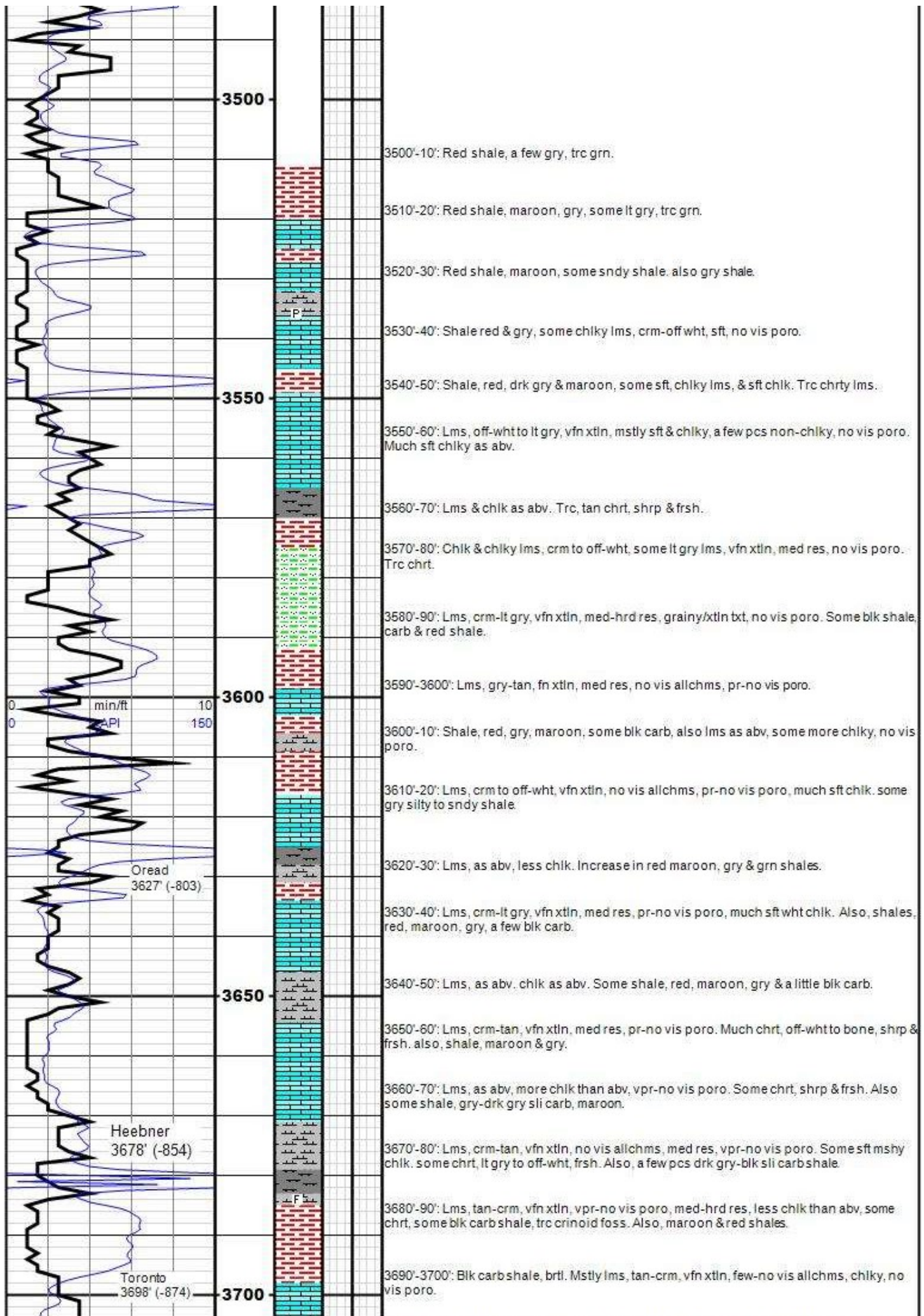
Graph Curves

Graph #1  
ROP (min/ft)  
Gamma (API)

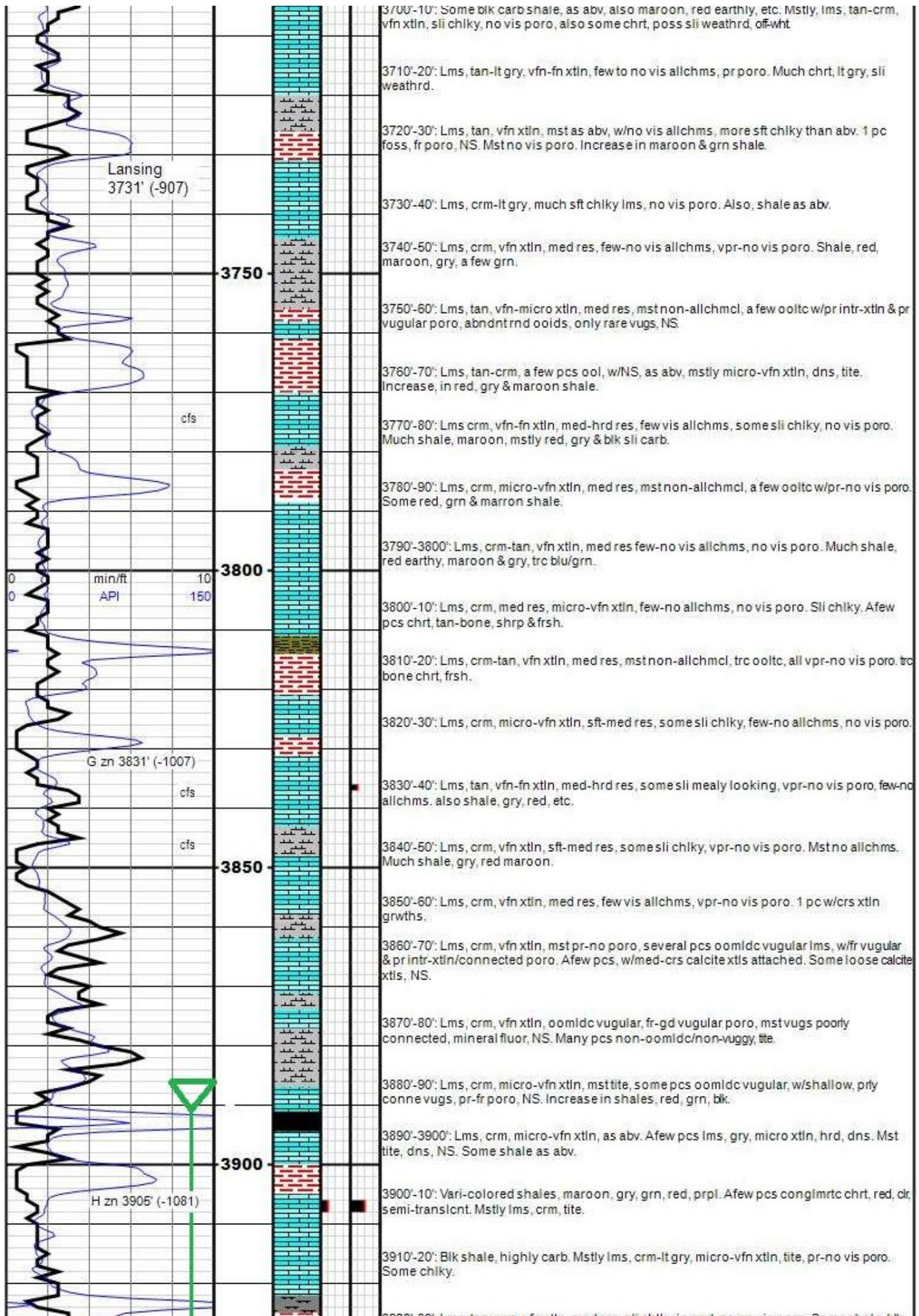
Intervals

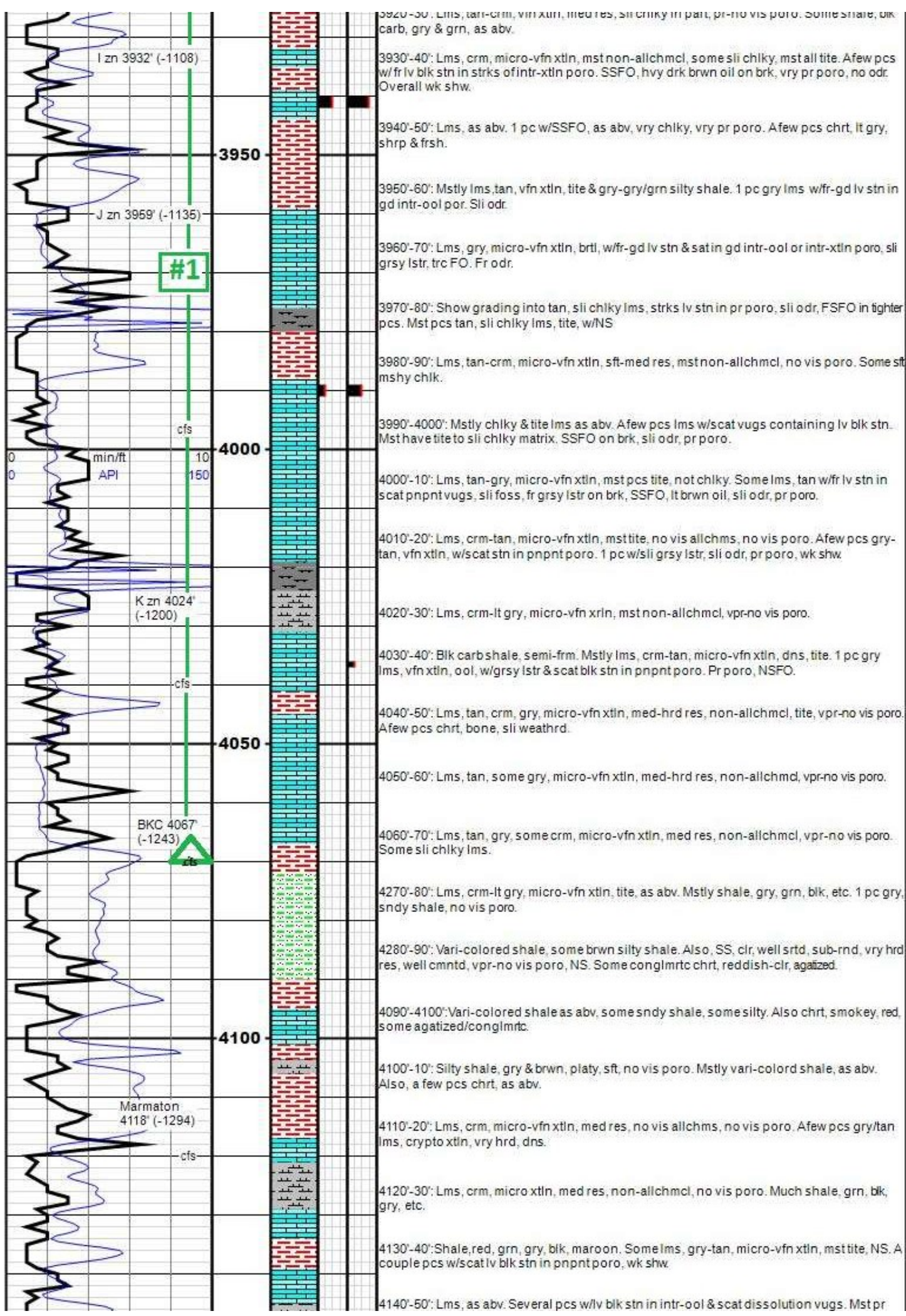
-  Show
-  Connections
-  Tops
-  Slide
-  Rotate
-  Core
-  Recovered Core

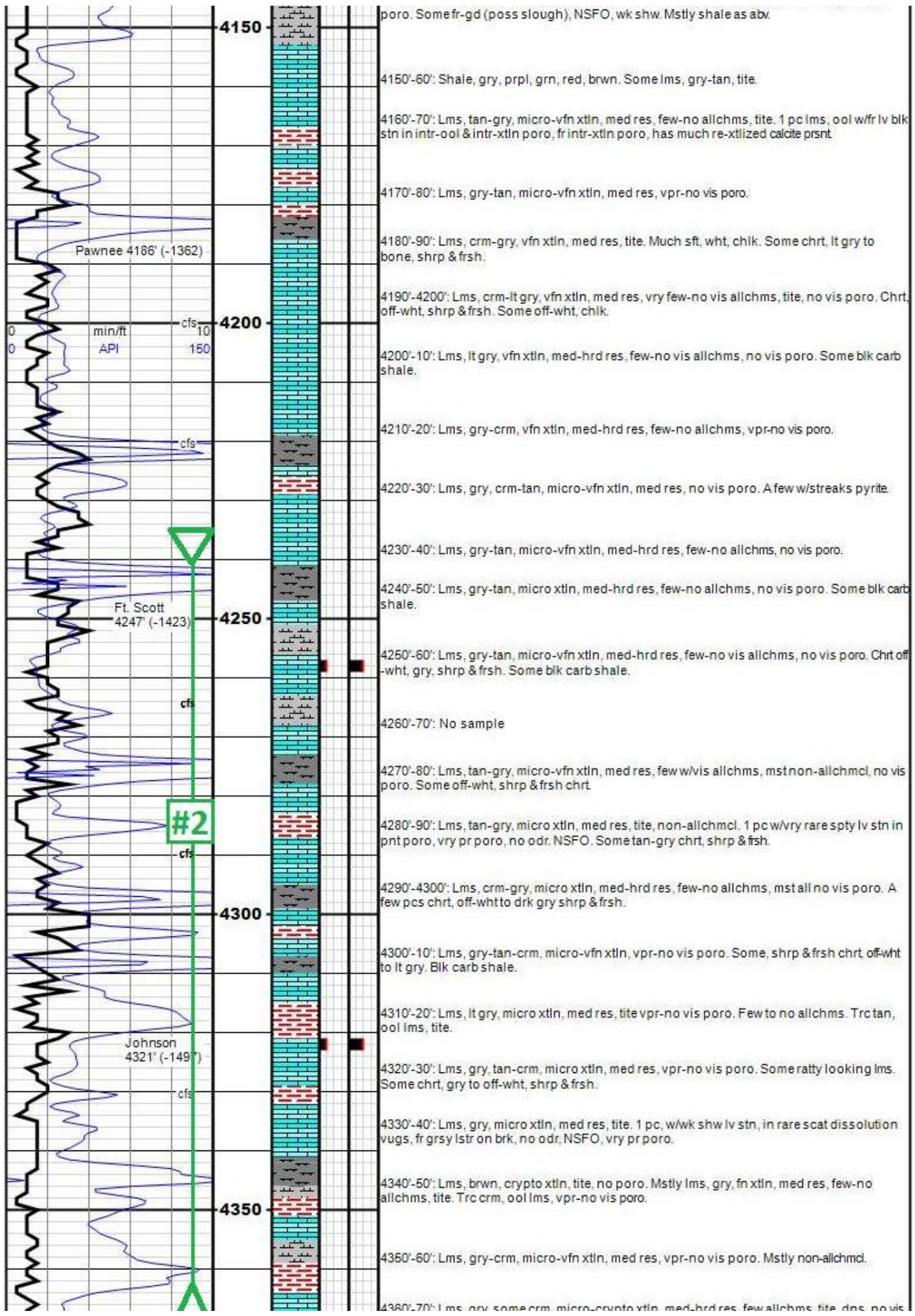


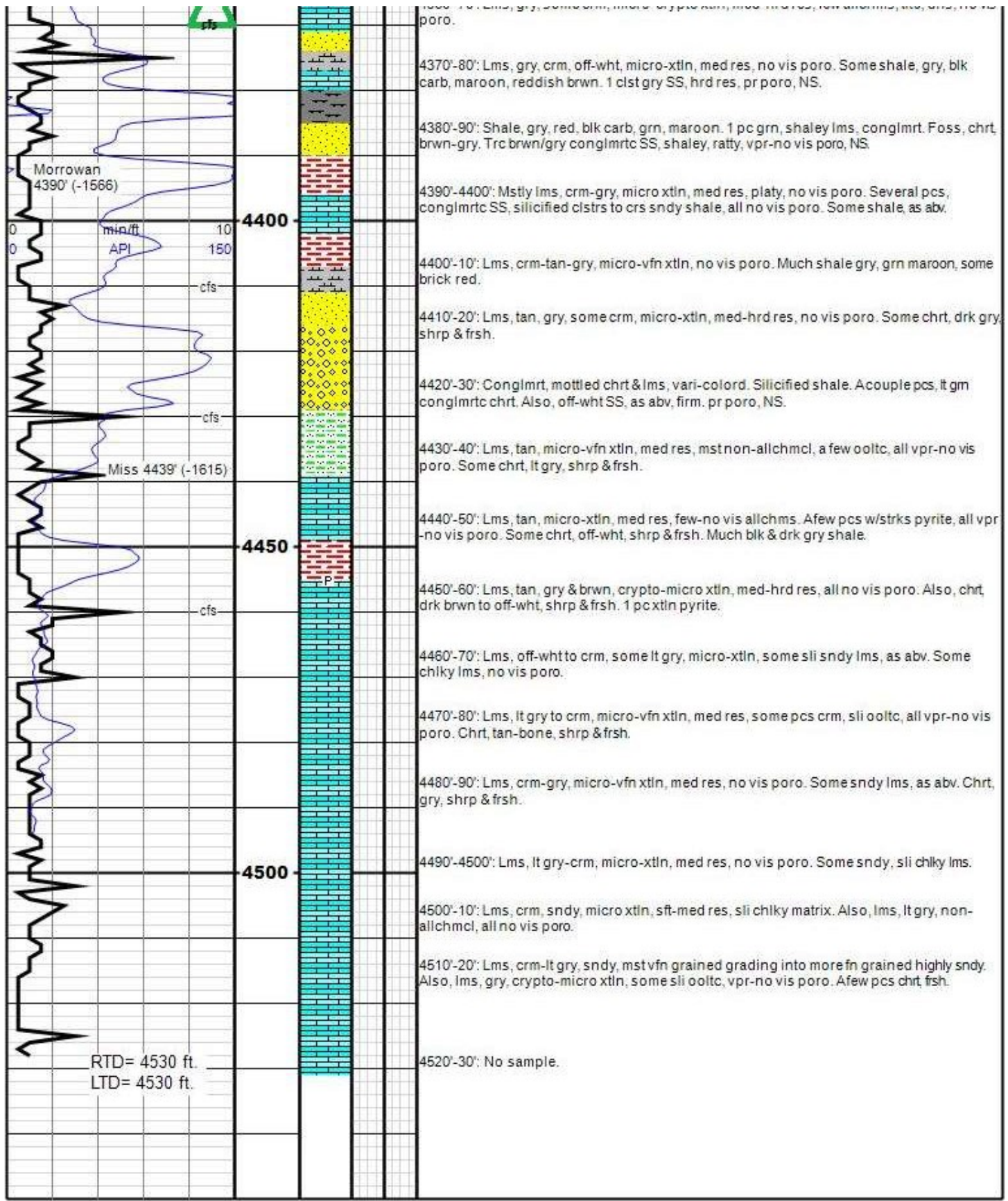














**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Darrah Oil Co, LLC  
125 N Market  
Ste 1425  
Wichita, Ks 67202  
ATTN: Seth Evenson

**Younkin 1-35**  
**Younkin 1-35**  
Job Ticket: 66199 **DST#: 1**  
Test Start: 2020.06.04 @ 06:51:00

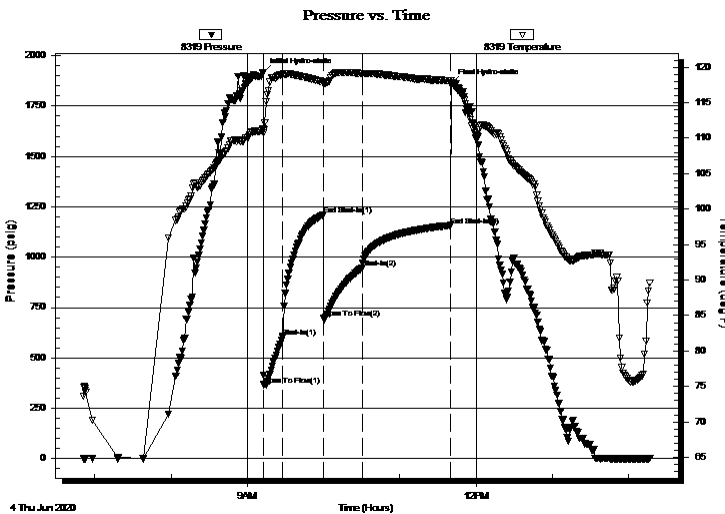
## GENERAL INFORMATION:

Formation: **LKC- H-L**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:13:00  
Time Test Ended: 14:17:00  
Interval: **3886.00 ft (KB) To 4070.00 ft (KB) (TVD)**  
Total Depth: 4070.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Bradley Walter  
Unit No: 78  
Reference Elevations: 2824.00 ft (KB)  
2813.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8319 Outside**  
Press@RunDepth: 947.28 psig @ 3887.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2020.06.04 End Date: 2020.06.04 Last Calib.: 2020.06.04  
Start Time: 06:51:05 End Time: 14:16:59 Time On Btm: 2020.06.04 @ 09:12:15  
Time Off Btm: 2020.06.04 @ 11:40:30

**TEST COMMENT:** 15- IF- BOB @ 1 min- 140" blow .  
30- IS- No return.  
30- FF- BOB @ 1 min- 130" blow  
60- FSI- No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.03	111.31	Initial Hydro-static
1	366.92	111.24	Open To Flow (1)
16	605.35	119.00	Shut-In(1)
48	1208.77	117.92	End Shut-In(1)
48	697.47	117.71	Open To Flow (2)
78	947.28	119.11	Shut-In(2)
148	1157.62	118.07	End Shut-In(2)
149	1859.27	118.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1420.00	smcw 2m 98w	17.71
600.00	mcw 25m 75w	8.42

## Gas Rates

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



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TESTING, INC.**

**DRILL STEM TEST REPORT**

Darrah Oil Co, LLC  
 125 N Market  
 Ste 1425  
 Wichita, Ks 67202  
 ATTN: Seth Evenson

**Younkin 1-35**

**Younkin 1-35**

Job Ticket: 66199 **DST#: 1**  
 Test Start: 2020.06.04 @ 06:51:00

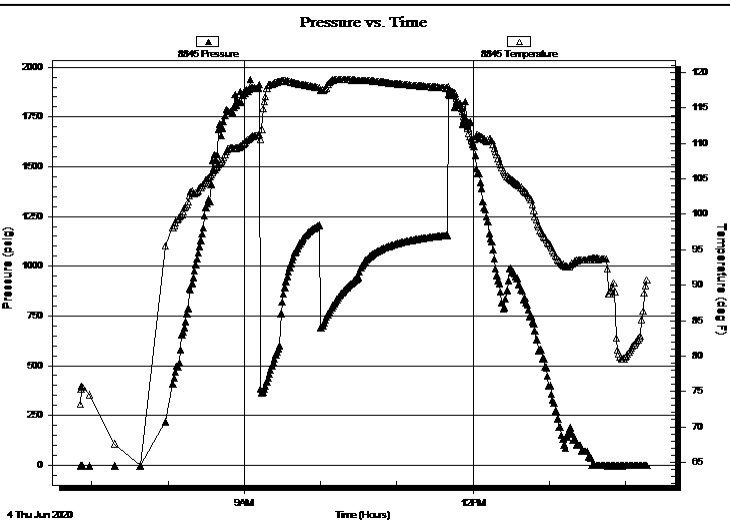
**GENERAL INFORMATION:**

Formation: **LKC- H-L**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:13:00  
 Time Test Ended: 14:17:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 78  
**Interval: 3886.00 ft (KB) To 4070.00 ft (KB) (TVD)**  
 Total Depth: 4070.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Reference Elevations: 2824.00 ft (KB)  
 2813.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8845**

Press@RunDepth: psig @ ft (KB)  
 Start Date: 2020.06.04 End Date: 2020.06.04 Capacity: 8000.00 psig  
 Start Time: 06:51:05 End Time: 14:16:59 Last Calib.: 2020.06.04  
 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 15- IF- BOB @ 1 min- 140" blow .  
 30- ISL- No return.  
 30- FF- BOB @ 1 min- 130" blow  
 60- FSL- No return.



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
1420.00	smcw 2m 98w	17.71
600.00	mcw 25m 75w	8.42

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Darrah Oil Co, LLC

**Younkin 1-35**

125 N Market  
Ste 1425  
Wichita, Ks 67202  
ATTN: Seth Evenson

**Younkin 1-35**

Job Ticket: 66199

**DST#: 1**

Test Start: 2020.06.04 @ 06:51:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 7.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 0 deg API  
Water Salinity: 49000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1420.00	smcw 2m 98w	17.714
600.00	mcw 25m 75w	8.416

Total Length: 2020.00 ft      Total Volume: 26.130 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

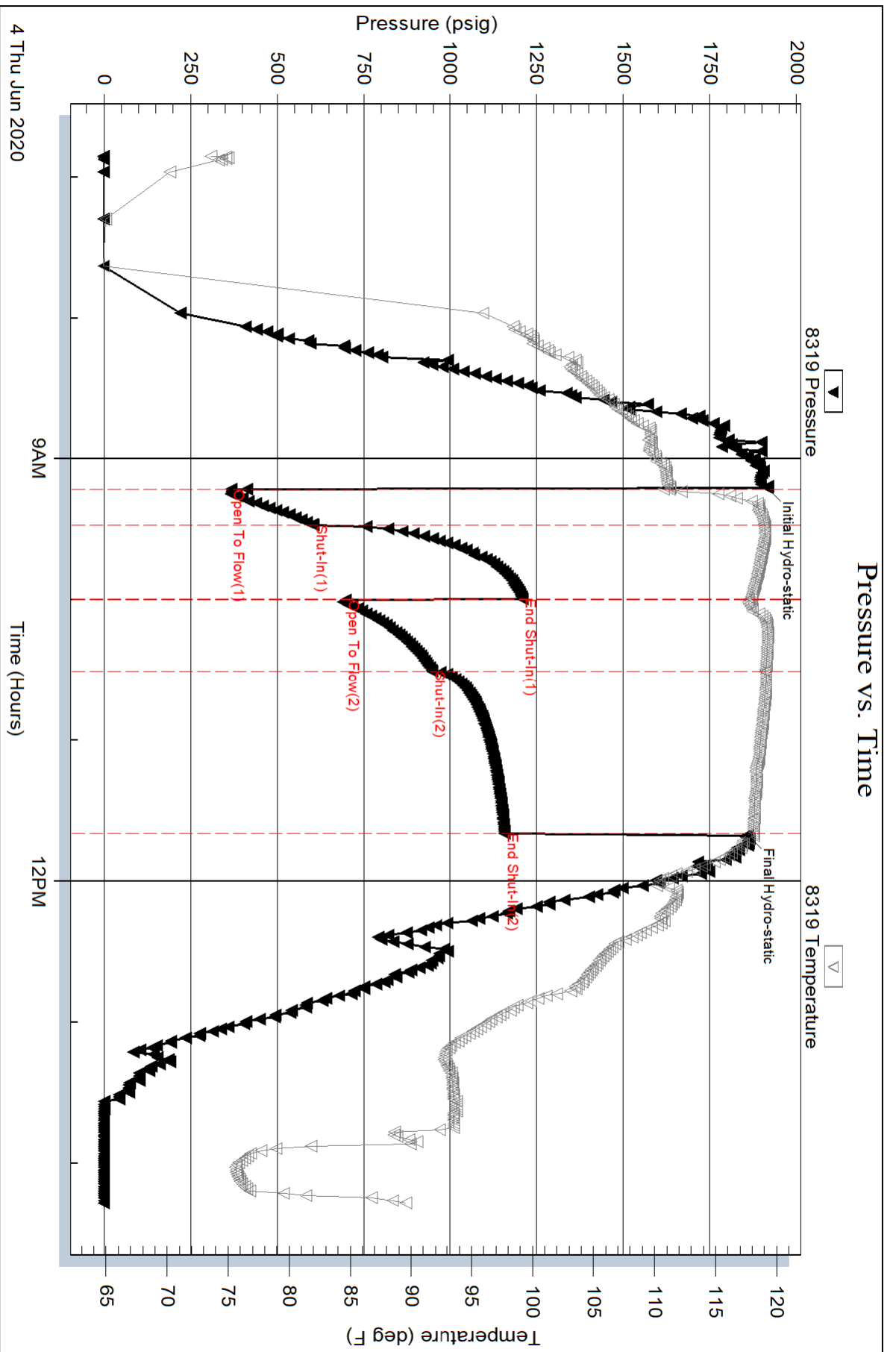
Recovery Comments: rw is .128 @ 84F= 49000ppm

Serial #: 8319

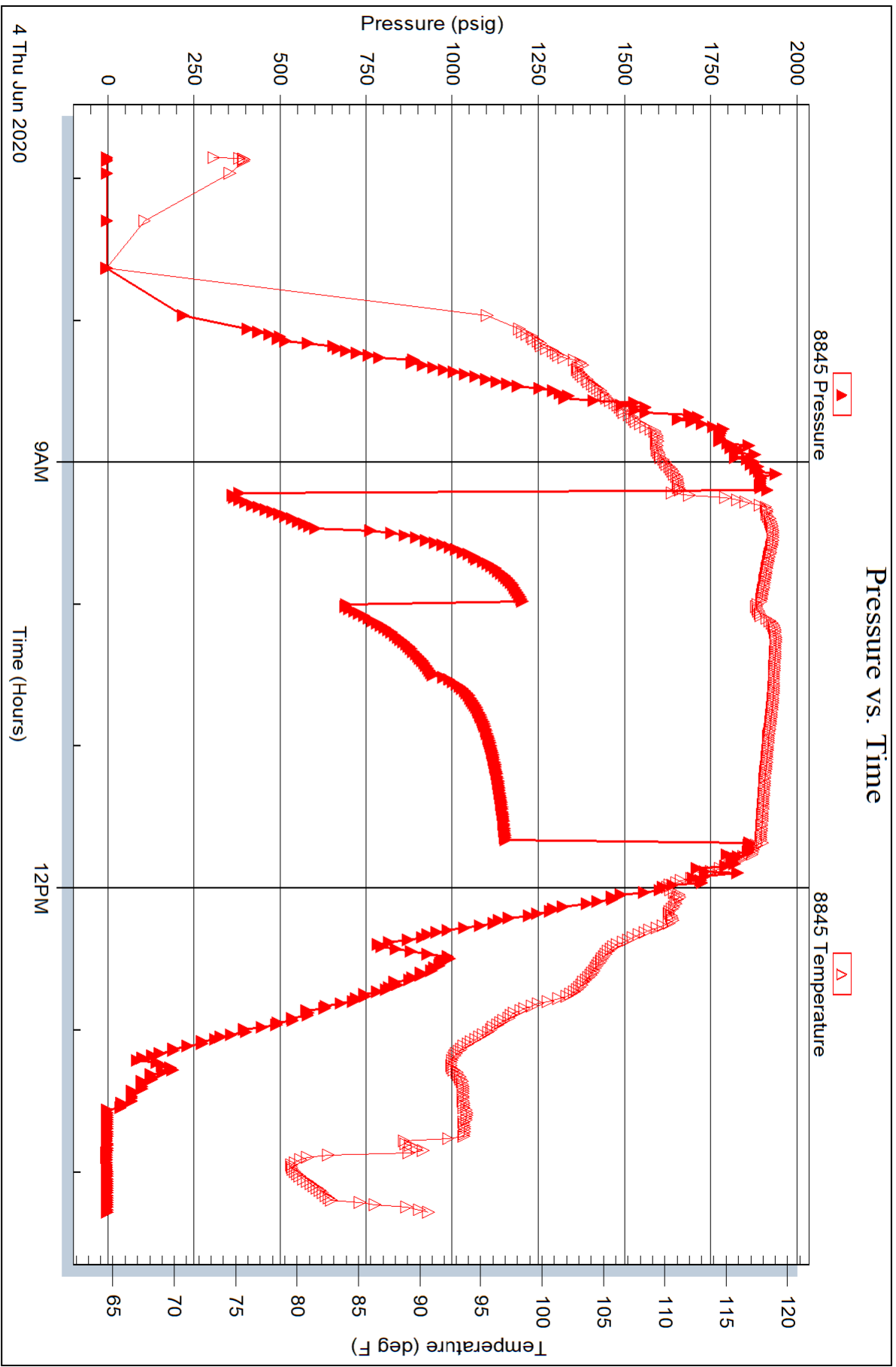
Outside Darrah Oil Co, LLC

Younkin 1-35

DST Test Number: 1









**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Darrah Oil Co, LLC  
 125 N Market  
 Ste 1425  
 Wichita, Ks 67202  
 ATTN: Seth Evenson

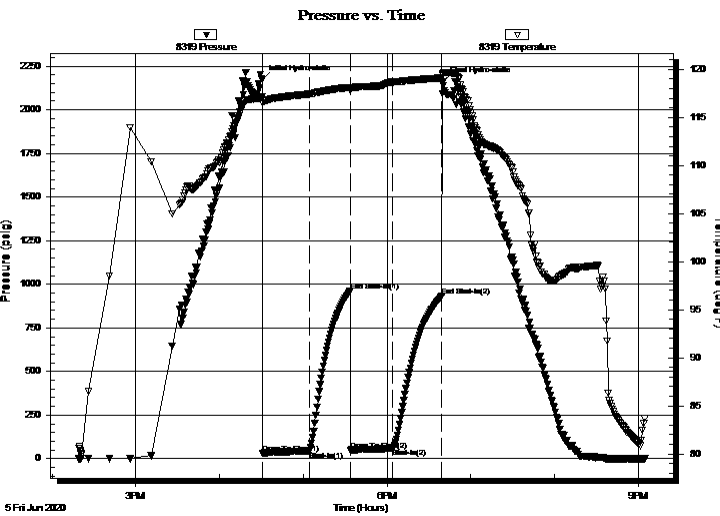
**Younkin 1-35**  
**Younkin 1-35**  
 Job Ticket: 66200      **DST#: 2**  
 Test Start: 2020.06.05 @ 14:19:00

## GENERAL INFORMATION:

Formation: **Ft Scott- Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:31:00  
 Time Test Ended: 21:05:00  
 Interval: **4235.00 ft (KB) To 4370.00 ft (KB) (TVD)**  
 Total Depth: 4370.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2824.00 ft (KB)  
 2813.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8319      Outside**  
 Press@RunDepth: 59.35 psig @ 4236.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2020.06.05      End Date: 2020.06.05      Last Calib.: 2020.06.05  
 Start Time: 14:19:05      End Time: 21:04:59      Time On Btm: 2020.06.05 @ 16:30:45  
 Time Off Btm: 2020.06.05 @ 18:40:00

TEST COMMENT: 30- IF- Surface blow .  
 30- IS! No return.  
 30- FF- No blow .  
 30- FSI- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2171.91	117.15	Initial Hydro-static
1	32.47	116.55	Open To Flow (1)
34	45.52	117.42	Shut-In(1)
63	960.97	118.13	End Shut-In(1)
63	50.53	117.80	Open To Flow (2)
93	59.35	118.68	Shut-In(2)
129	933.41	119.10	End Shut-In(2)
130	2163.41	119.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud 100m (oil spots)	0.34

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Darrah Oil Co, LLC

**Younkin 1-35**

125 N Market  
Ste 1425  
Wichita, Ks 67202  
ATTN: Seth Evenson

**Younkin 1-35**

Job Ticket: 66200

**DST#: 2**

Test Start: 2020.06.05 @ 14:19:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 7.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 0 deg API  
Water Salinity: 0 ppm

## Recovery Information

Recovery Table

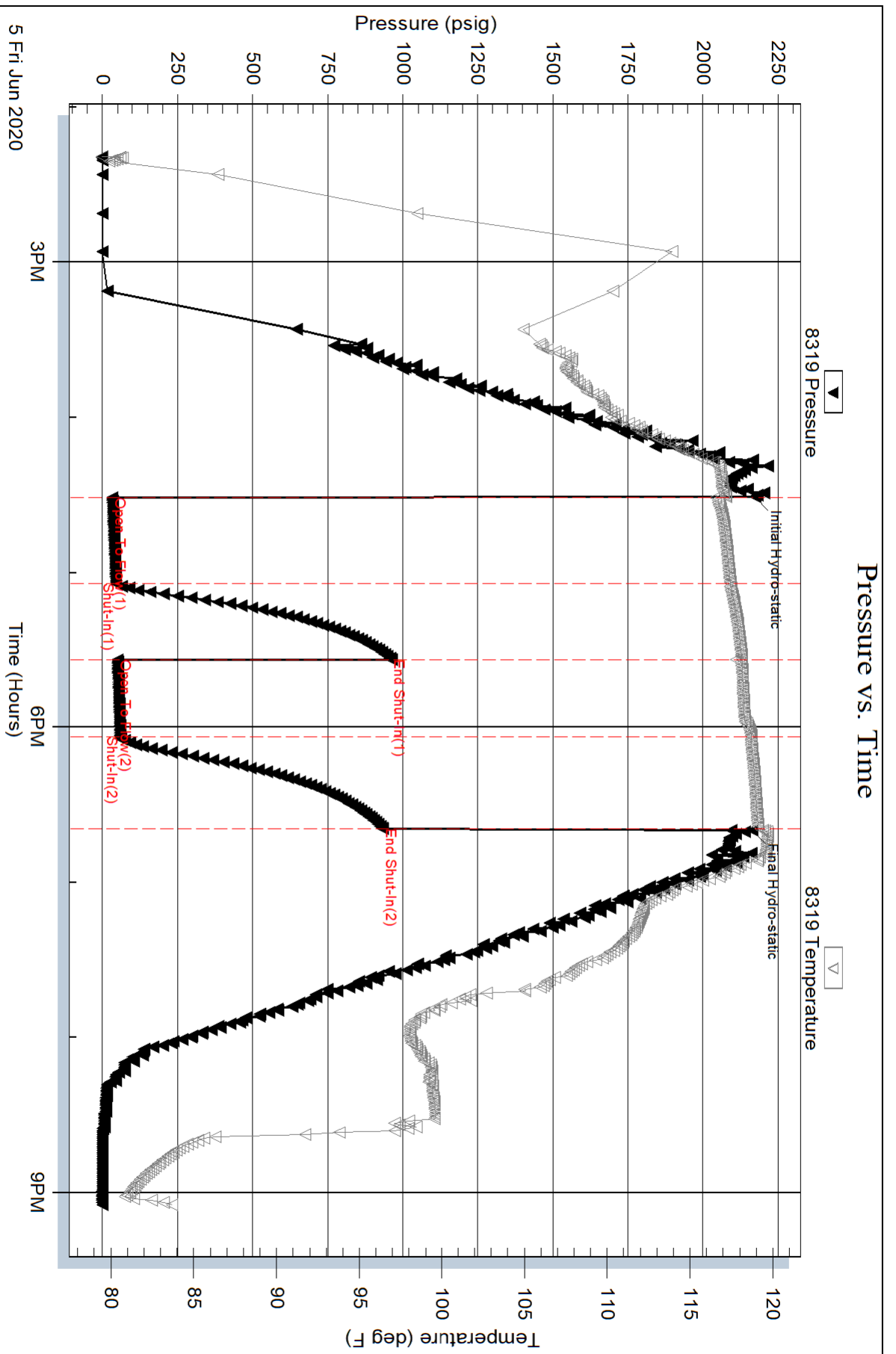
Length ft	Description	Volume bbl
70.00	Mud 100m (oil spots)	0.344

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:



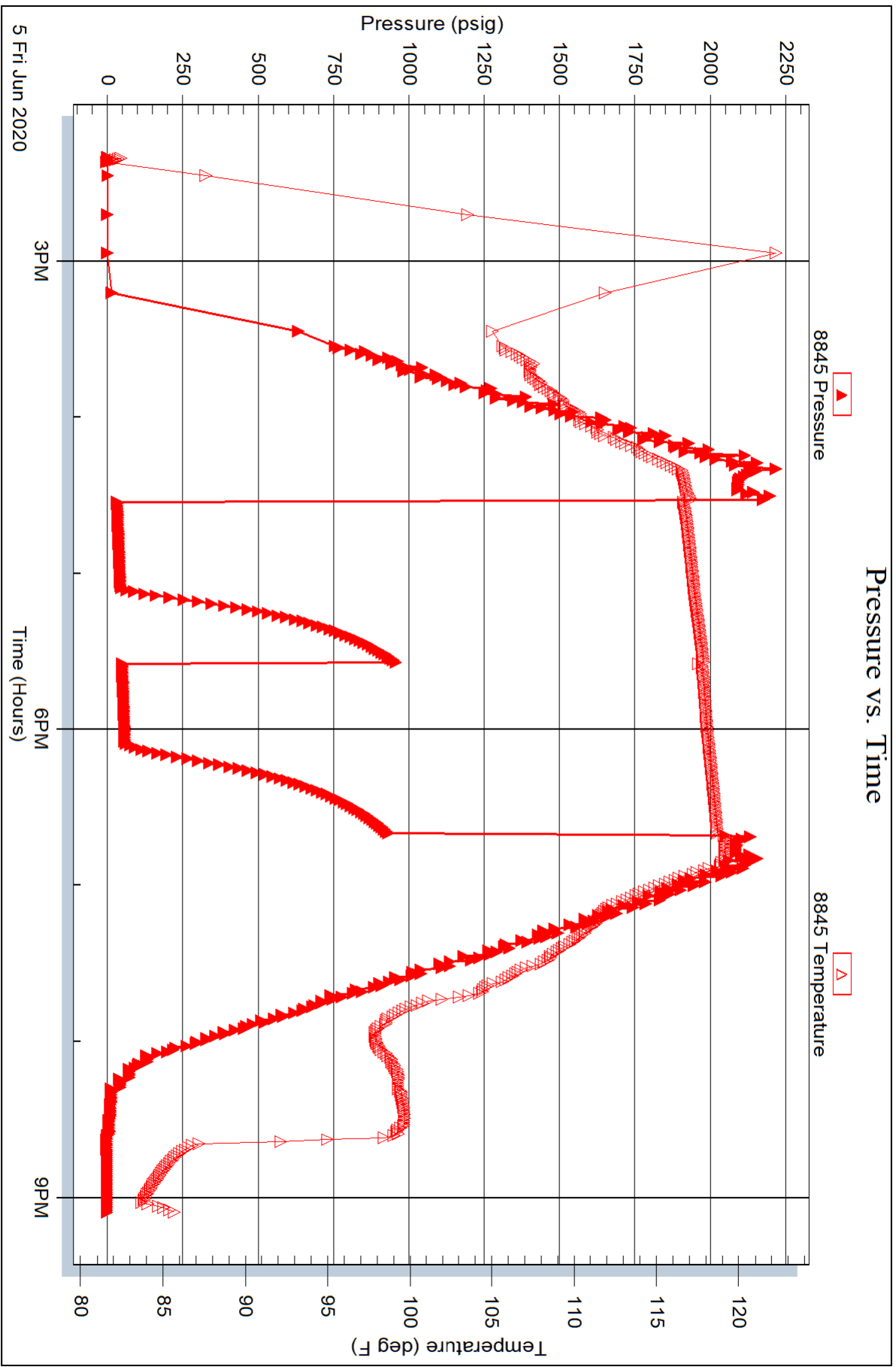
Serial #: 8845

Inside

Darrah Oil Co, LLC

Younkin 1-35

DST Test Number: 2



# FILE COPY



3613A Y Road  
Madison, KS 66860  
Ph: 620-437-2661  
Fax: 620-437-2881

104 Prairie Plaza Parkway  
Garnett, KS 66032  
Ph: 785-448-3100  
Fax: 785-448-3102

FED ID# 48-1214033  
MC ID# 165290

Remit to: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202

Customer:  
DARRAH OIL  
C/O JOHN JAY DARRAH JR  
PO BOX 2786  
WICHITA, KS 67201-2786

Invoice Date: 6/7/2020  
Invoice #: 0347793  
Lease Name: YOUNKIN  
Well #: 1-35  
County: LOGAN, KS  
JOB#: ICT3634

Date/Description	HRS/QTY	Rate	Total
PTA			
H-Plug	245	10.14	2,484.30
Wooden Plug 8 5/8"	1	117.00	117.00
Light Eq Mileage	25	1.56	39.00
Heavy Eq Mileage	25	3.12	78.00
Ton Mileage-Minimum	1	310.05	310.05
Cement Pump	1	585.00	585.00

	Net Invoice	3,613.35
Sales Tax		182.94
	<b>Total</b>	<b>3,796.29</b>

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

250 N. Water St., Suite #200  
 Wichita, KS 67202

HURRICANE SERVICES INC



Customer: **Darrah Oil Company** Lease & Well # **Younkin 1-35**  
 Service District: **Oakley KS** County & State: **Logan KS**  
 Job Type: **Plug**  PRCO  INI  SWD  
 Driver: **Jesse Jones**  New Well?  No  Yes  
 Date: **07/20/20** Ticket # **1073534** Job # **35-135-31W**

Equipment # **23** Job Safety Analysis - A Discussion of Hazards & Safety Procedures  
 Hard Hat  Goggles  Eye Protection  Respiratory Protection  Fire Extinguisher  
 H2S Monitor  Required Permits  Additional Chemicals/PPE  Hearing Protection  
 Safety Footwear  Spill/Fall Hazards  Additional Hazards  Job Safety Analysis - A Discussion of Hazards & Safety Procedures  
 H2S Monitor  Required Permits  Leakout/Spillout  Warning Signs & Flagging  
 Safety Footwear  Spill/Fall Hazards  Specific Job Sequence/Expectations  Master Point/Medical Locations  
 H2S Monitor  Respiratory Protection  Eye Protection  Fire Extinguisher

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
CR55	H-Plug	555	245.00	\$2,484.30
FE290	8 1/2" Wooden Plug	0A	1.00	\$117.00
MD15	Light Equipment Mileage	mi	25.00	\$39.00
MD10	Heavy Equipment Mileage	mi	25.00	\$78.00
MD25	Ten Mileage minimum	0A	10.00	\$310.05
CO10	Current Pump	0A	1.00	\$585.00

Customer Section: On the following scale how would you rate Hurricane Services Inc? (Scale 1-10)

Based on this job, how likely is it you would recommend HSI to a colleague? (Scale 1-10)

HSI Representative: **Spok Mosler**

Total Taxable \$ **35,613.35** Sales Tax \$ **1,613.35** Total \$ **37,226.70**

CUSTOMER AUTHORIZATION SIGNATURE \_\_\_\_\_



Hurricane Services, Inc.  
250 N. Waker  
Wichita, KS 67202

Customer		City, State		Field Rep:	
Darragh Oil Company		KS			
Well:		County:		S-TR:	
Younklin 1-35		Logan		35-135-34W	
Ticket:		Date:		Service:	
ICT3634		6/7/2020		Plug	

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	2250 ft
Casing Size:	4 1/2 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packers:	ft
Depth:	ft
Displacement:	47.9 bbls

Calculated Slurry	
Weight:	13,70 # / sk
Water / Sk:	6.92 gal / sk
Yield:	1.43 ft <sup>3</sup> / sk
Bbls / Ft:	ft
Depth:	ft
Annular Volume:	bbls
Excess:	bbls
Total Slurry:	245 sk

Product		Total	
Class A	% / #		
Poz			
Gel			
CaCl			
Gypsum			
Melso			
Kal Seal			
Flo Seal			
Salt (bww)			

REMARKS	
10:00P	Arrival
10:05P	Safety Meeting
10:10P	Rig Up
11:38P	Circulate Mud
11:52P	H2O Ahead
11:54P	Mixed 50 sks of H-plug @ 2250'
11:59P	Displace with H2O
12:50A	H2O Ahead
12:52A	Mixed 100 sks of H-plug @ 1250'
12:58A	Displace with H2O
1:39A	H2O Ahead
1:41A	Mixed 50 sks of H-plug @ 300'
1:44A	Displace with H2O
2:13A	Drop Plug
2:15A	H2O Ahead
2:19A	Mixed 10 sks of H-plug @ 40'
2:26A	Rat Hole
2:31A	Mouse Hole
2:35A	Plug Down
2:40A	Rig Down
3:00A	Depart Location

CREW		UNIT	
Cementor:	Jesse Jones	73	
Pump Operator:	Josh Messer	230	
Bulk #1:	Kate oches	242	
Bulk #2:			

SUMMARY	
Average Rate:	4.42308 bpm
Average Pressure:	198 psi
Total Fluid:	133 bbls



250 N. Water St., Suite #200  
Wichita, KS 67202



<b>Customer</b>	Darrah Oil Company LLC	<b>Lease &amp; Well #</b>	Younkin #1-35	<b>Date</b>	9/30/2020	
<b>Service District</b>	Oakley KS	<b>County &amp; State</b>	Logan	<b>Legals S/T/R</b>	35-13-35W	
<b>Job Type</b>	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	<b>Legals S/T/R New Well?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	<b>Job #</b>	
<b>Equipment #</b>	<b>Driver</b>	<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>				
73	Jesse Jones	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging	
73	Josh Mosier	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Ferrits	<input type="checkbox"/> Fall Protection	
230	John Polley	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations	
242	Kale Ochs	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Points/Medical Locations	
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below		
<b>Product/ Service</b>						
<b>Code</b>	<b>Description</b>	<b>Unit of Measure</b>	<b>Quantity</b>	<b>Net Amount</b>		
M010	Heavy Equipment Mileage	mi	25.00	\$70.00		
M015	Light Equipment Mileage	mi	25.00	\$35.00		
C010	Cement Pump	ea	1.00	\$525.00		
M025	Ton Mileage -Minimum	each	1.00	\$210.00		
CP070	604002	sks	165.00	\$1,501.50		
CP100	Calcium Chloride	lb	426.00	\$223.65		
CP120	Cellulose	lb	42.00	\$51.45		
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>					<b>Net:</b>	\$2,616.60
Based on this job, how likely is it you would recommend HSI to a colleague?					<b>Total Taxable</b>	\$ -
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <b>Extremely Likely</b>					<b>Tax Rate:</b>	
					<b>State Tax:</b>	\$ -
					<b>Total:</b>	\$ 2,616.60
					<b>HSI Representative:</b>	Jesse Jones

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1.5% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon reactivation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days repayment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**



<b>CEMENT TREATMENT REPORT</b>			
Customer:	Darrah Oil Company LLC	Well:	Younkin #1-35
City, State:		County:	Logan
Field Rep:	Troy Gonzalez	S-T-R:	35-13-35W
		Ticket:	ICT 3592
		Date:	5/30/2020
		Services:	Surface

<b>Downhole Information</b> Hole Size: 12 7/8 in Hole Depth: 268 ft Casing Size: 8 5/8 in Casing Depth: 248 ft Tubing / Liner: in Depth: ft Tool / Packer: Depth: ft Displacement: 16.1 bbbls		<b>Calculated Slurry</b> Weight: 13.62 # / sk Water / Sk: 6.90 gal / sk Yield: 1.42 ft <sup>3</sup> / sk Bbls / Ft.: 0.065 Depth: 268 ft Annular Volume: 17.42 bbbls Excess: Total Slurry: 41.5 bbbls Total Sacks: 165 sk		<table border="1"> <thead> <tr> <th>Product</th> <th>% / #</th> <th>#</th> </tr> </thead> <tbody> <tr> <td>Class A</td> <td>60.00</td> <td>8811</td> </tr> <tr> <td>Poz</td> <td>40.00</td> <td>5874</td> </tr> <tr> <td>Gel</td> <td>2.00</td> <td>294</td> </tr> <tr> <td>GaCl</td> <td></td> <td></td> </tr> <tr> <td>Gypsum</td> <td></td> <td></td> </tr> <tr> <td>Metso</td> <td></td> <td></td> </tr> <tr> <td>Kol Seal</td> <td></td> <td></td> </tr> <tr> <td>Flo Seal</td> <td></td> <td></td> </tr> <tr> <td>Salt (bww)</td> <td></td> <td></td> </tr> <tr> <td colspan="2"><b>Total</b></td> <td><b>14,979</b></td> </tr> </tbody> </table>			Product	% / #	#	Class A	60.00	8811	Poz	40.00	5874	Gel	2.00	294	GaCl			Gypsum			Metso			Kol Seal			Flo Seal			Salt (bww)			<b>Total</b>		<b>14,979</b>
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TIME	RATE	PSI	BBLs	REMARKS
1:30A				GOT TO LOCATION
1:35A				SAFETY MEETING
1:40A				RIG UP
2:15A				CIRCULATION HOLE FOR 5 MINUTES
2:23 AM	3.3	90.0		H2O AHEAD
2:27A	6.3	380.0		165 SKS OF CP070 @ 268 FT
2:43A	6.7	300.0		DISPLACE WITH H2O
2:50A				PLUG DOWN
2:55A				RIG DOWN
3:30A				LEFT LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Jesse Jones	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Josh Mosier	73	5.43333 bpm	257 psi	- bbbls
Bulk #1:	John Polley	230			
Bulk #2:	Kate Ochs	242			