

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	Indian Oil Co., Inc.
Well Name	WARREN 6
Doc ID	1733186

All Electric Logs Run

Dual Induction
Frac Finder
LAS
Micro
Compensated Density/Neutron PE
Sonic

Form	ACO1 - Well Completion
Operator	Indian Oil Co., Inc.
Well Name	WARREN 6
Doc ID	1733186

Tops

Name	Top	Datum
Heebner	3525	-1890
Douglas Sh	3556	-1921
U Doug Sd	3588	-1953
L Doug Sd	3672	-2037
Brown Lime	3716	-2081
Lansing	3728	-2093
Stark	4058	-2423
Hushpuckney	4097	-2462
Miss	4233	-2598
B Miss Cht	4300	-2665
Kinderhook	4345	-2710
Viola	4503	-2868
Simpson SH	4586	-2951
Simpson Sd	4590	-2955
Arbuckle	4704	-3069



HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
INDIAN OIL CO INC
PO BOX 209
MEDICINE LODGE, KS 67104-0209

Invoice Date: 6/28/2023
Invoice #: 0369408
Lease Name: Warren
Well #: 6 (New)
County: Barber, Ks
Job Number: WP4450
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-Long	175.000	35.000	6,125.00
H-Plug	50.000	14.000	700.00
Cello Flake	45.000	1.750	78.75
5 1/2" Floatshoe-Flapper AFU	1.000	375.000	375.00
5 1/2" LD Plug & Baffle	1.000	350.000	350.00
Cement baskets 5 1/2"	1.000	300.000	300.00
5 1/2" Turbolizers	10.000	125.000	1,250.00
Mud flush	500.000	1.000	500.00
Liquid KCL Substitute 2	1.000	20.000	20.00
Light Eq Mileage	30.000	2.000	60.00
Heavy Eq Mileage	60.000	4.000	240.00
Ton Mileage	311.000	1.500	466.50
Cement Blending & Mixing	225.000	1.400	315.00
Depth Charge 4001'-5000'	1.000	2,500.000	2,500.00
Cement Data Acquisition	1.000	250.000	250.00
Cement Plug Container	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

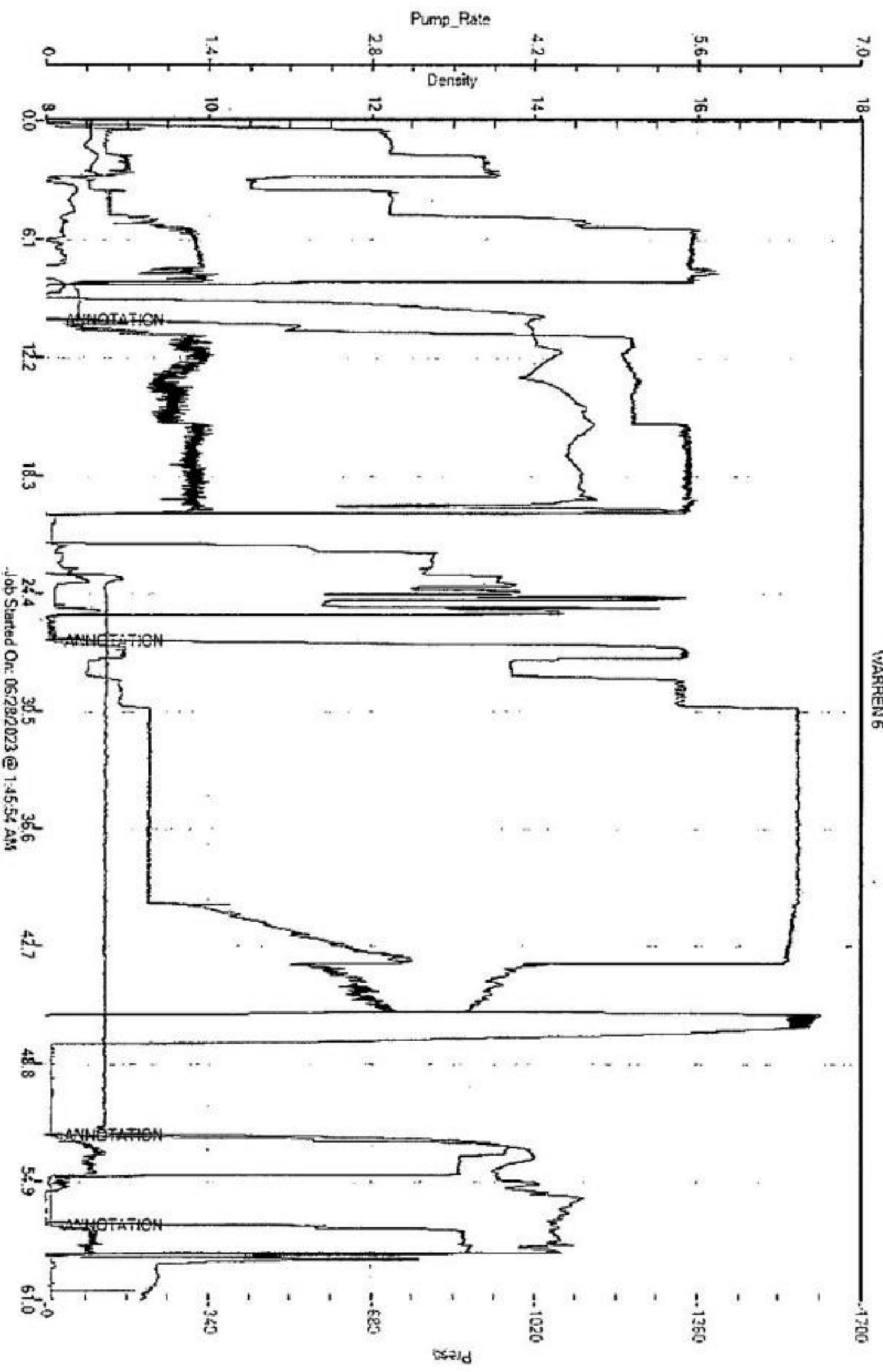
Total 14,055.25

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

INDIAN OIL
WARREN 6





HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
INDIAN OIL CO INC
PO BOX 209
MEDICINE LODGE, KS 67104-0209

Invoice Date: 6/21/2023
Invoice #: 0369228
Lease Name: Warren
Well #: 6 (New)
County: Barber, Ks
Job Number: WP4424
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Pozmix 60/40	225.000	15.000	3,375.00
Calcium Chloride	582.000	0.750	436.50
Cello Flake	57.000	1.750	99.75
Light Eq Mileage	30.000	2.000	60.00
Ton Mileage	291.000	1.500	436.50
Cement Blending & Mixing	225.000	1.400	315.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Data Acquisition	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

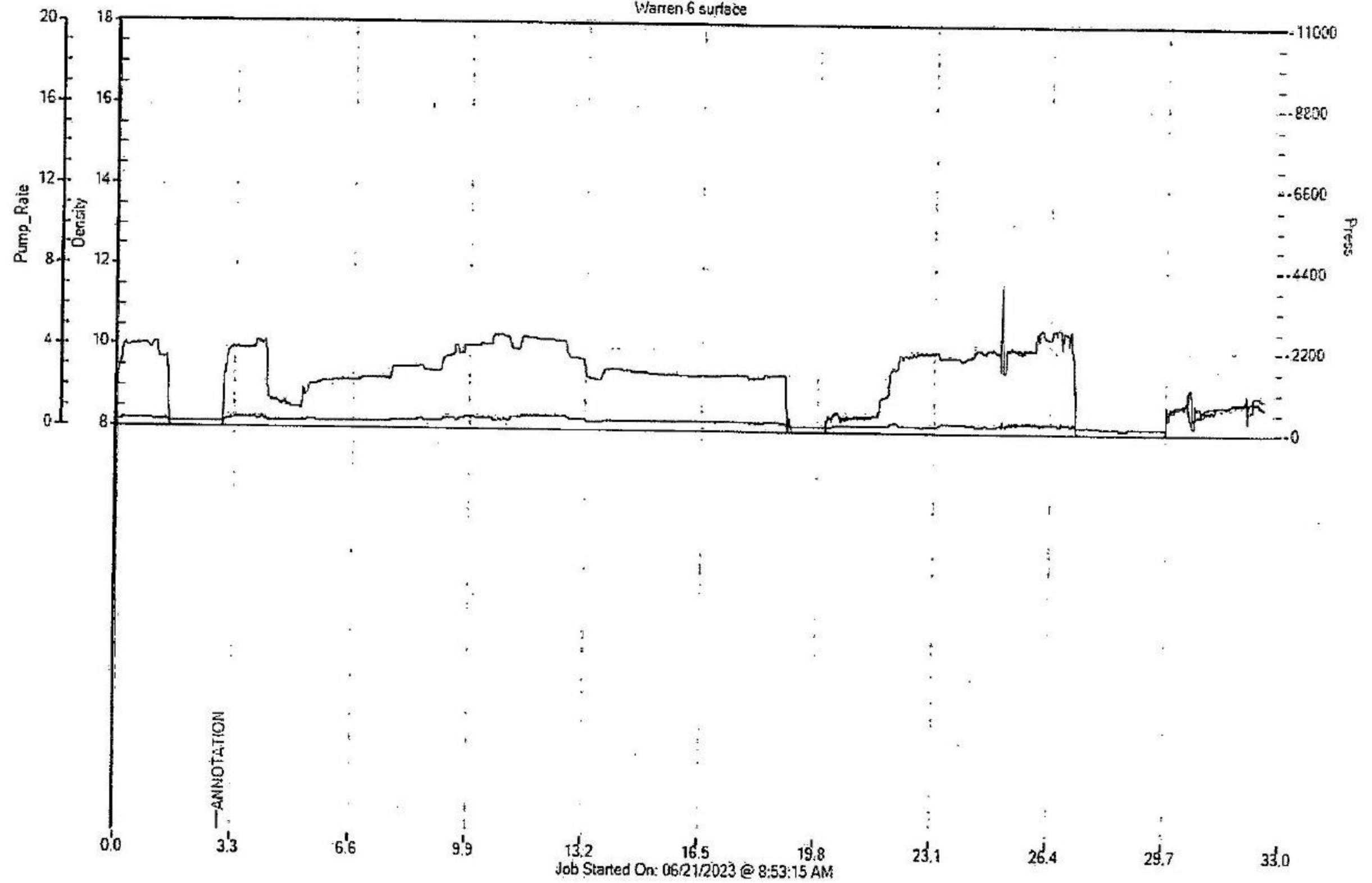
Total 6,247.75

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

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WE APPRECIATE YOUR BUSINESS!

Indian Oil
Warren 6 surface





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Indian Oil Co., Inc

35/30/12

Warren 6

Job Ticket: 70666

DST#: 1

ATTN: Aaron Young

Test Start: 2023.06.25 @ 05:42:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: 1635.00 ft (KB)

Time Tool Opened: 08:14:17

Time Test Ended: 13:38:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4210.00 ft (KB) To 4260.00 ft (KB) (TVD)

Reference Elevations: 1635.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

1623.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6751 Outside

Press@RunDepth: 73.48 psig @ 4211.00 ft (KB)

Capacity: psig

Start Date: 2023.06.25

End Date: 2023.06.25

Last Calib.: 1899.12.30

Start Time: 05:42:01

End Time: 13:38:02

Time On Btm: 2023.06.25 @ 08:07:17

Time Off Btm: 2023.06.25 @ 11:28:17

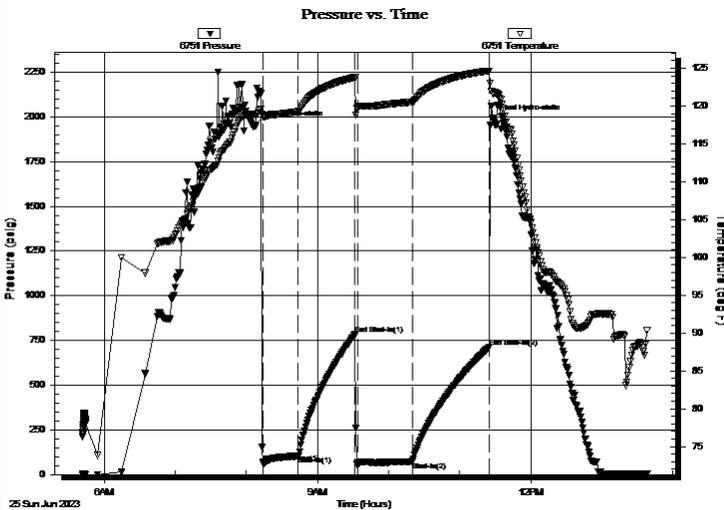
TEST COMMENT: IF: 30 min., BOB ASAO, strong building blow , 600+ inches

IS: 45 min., no blow back

FF: 45 min., BOB GTS ASAO, strong steady blow

FS: 60 min., no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.24	118.87	Initial Hydro-static
8	63.66	118.57	Open To Flow (1)
37	105.37	119.25	Shut-In(1)
85	782.53	123.75	End Shut-In(1)
87	51.15	119.58	Open To Flow (2)
133	73.48	120.53	Shut-In(2)
198	713.43	124.61	End Shut-In(2)
201	1987.47	121.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	5%G,95%M gassy mud	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.00	9.88
Last Gas Rate			
Max. Gas Rate	0.13	16.00	11.38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co., Inc

35/30/12

Warren 6

Job Ticket: 70666

DST#: 1

ATTN: Aaron Young

Test Start: 2023.06.25 @ 05:42:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	5%G,95%M gassy mud	0.871

Total Length: 140.00 ft

Total Volume: 0.871 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Indian Oil Co., Inc

35/30/12

Warren 6

Job Ticket: 70666

DST#: 1

ATTN: Aaron Young

Test Start: 2023.06.25 @ 05:42:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

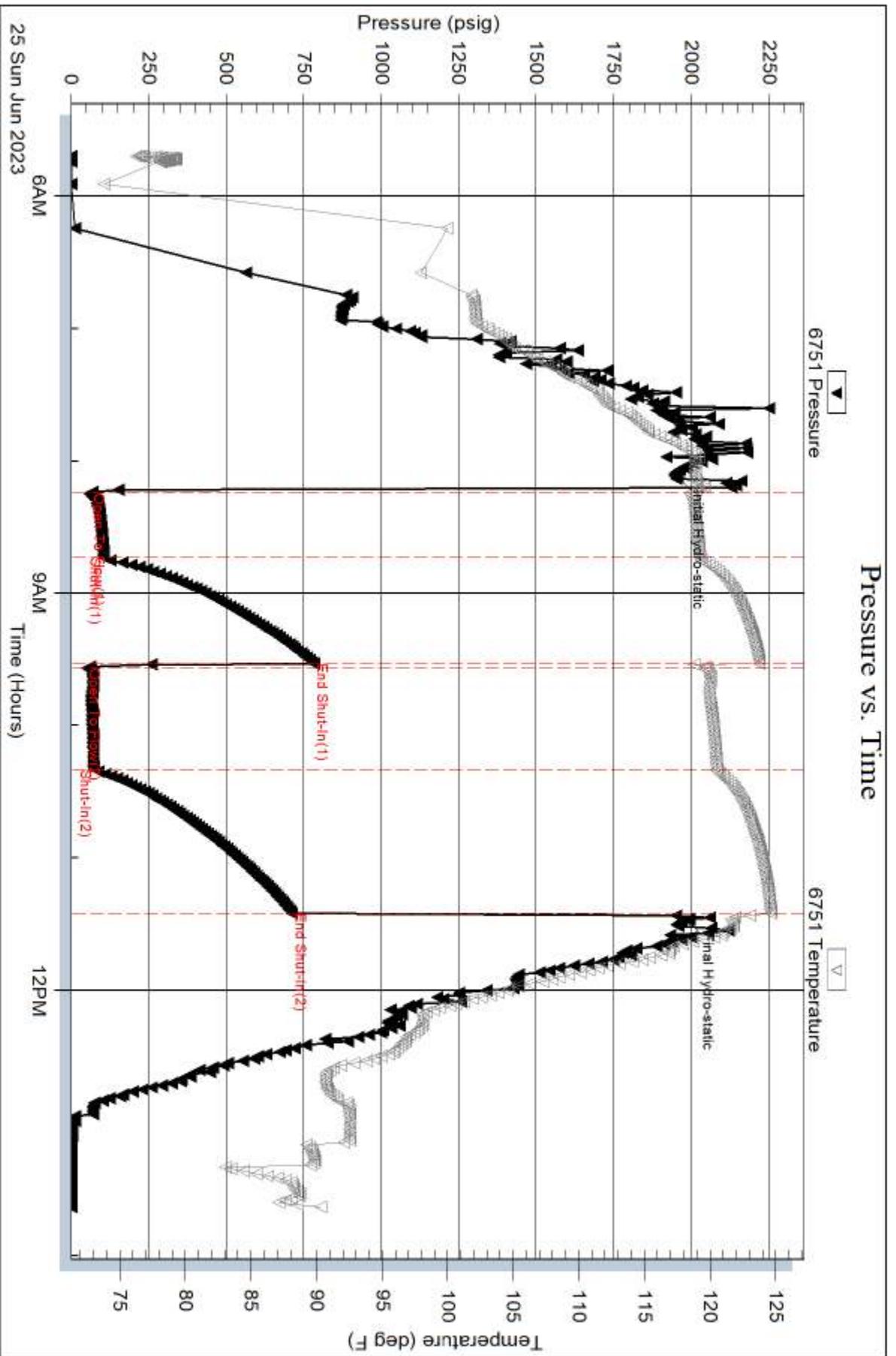
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	12.00	9.88
2	20	0.13	14.00	10.63
2	30	0.13	15.00	11.00
2	45	0.13	16.00	11.38
2	45	-999999.00	-999999.00	-999999.00

Serial #: 6751

Outside Indian Oil Co., Inc

Warren 6

DST Test Number: 1



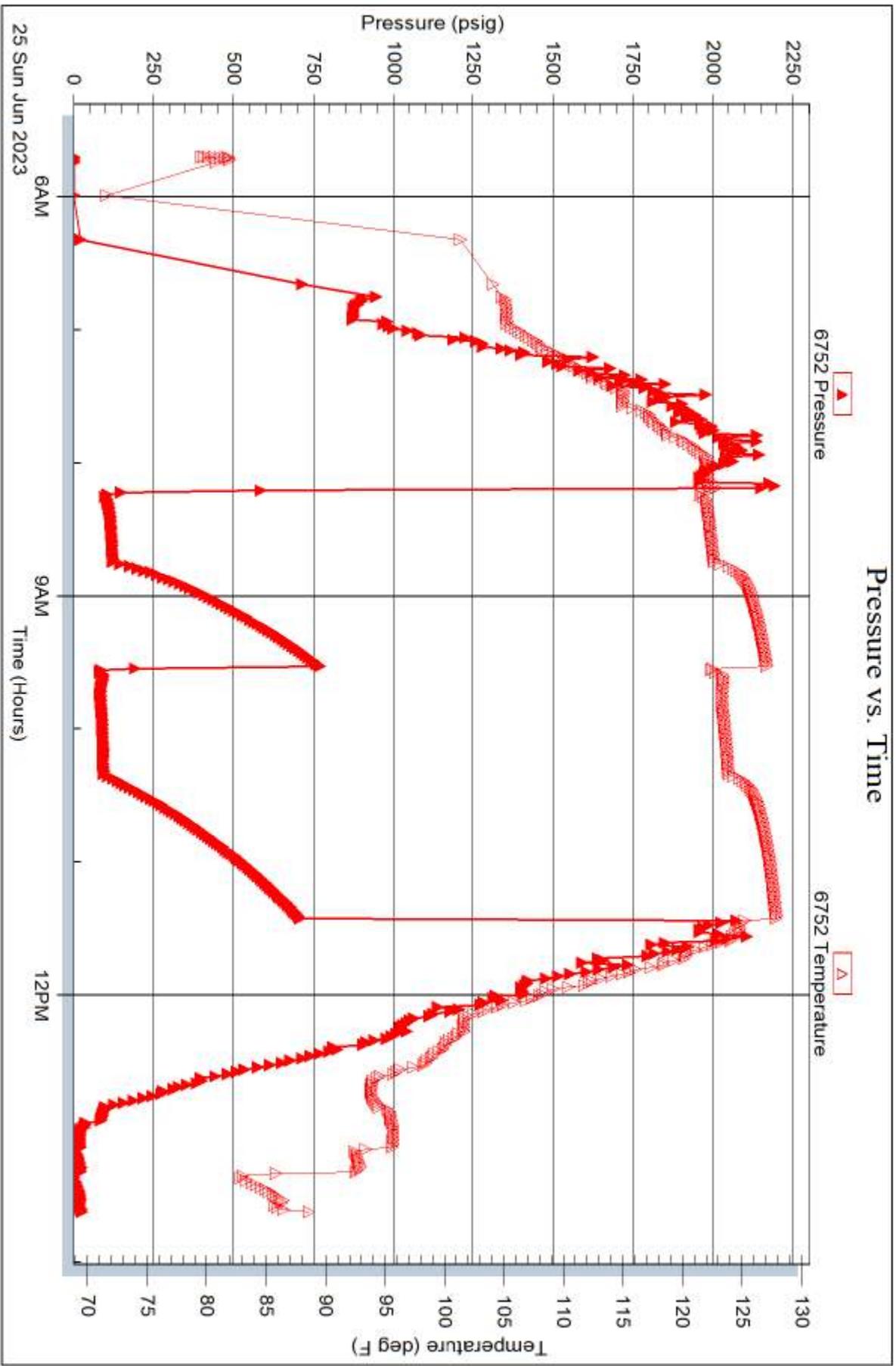
Serial #: 6752

Inside

Indian Oil Co., Inc

Warren 6

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70666

Printed: 2023.06.25 @ 21:45:06

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

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

Well Name: Warren #6
API: 15-007-24475
Location: Section 35 - T30S - R12W
License Number: 31938
Spud Date: 06/20/2023
Surface Coordinates: 1700' FNL and 1650' FEL
Approx. S2 - NE - SW - NE
Region: Barber Co., KS
Drilling Completed: 06/27/2023
Bottom Hole Coordinates:
Ground Elevation (ft): 1623' K.B. Elevation (ft): 1635'
Logged Interval (ft): 3500' To: 4733' Total Depth (ft): 4733'
Formation: Arbuckle
Type of Drilling Fluid: Chemical - MudCo

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

OPERATOR

Company: Indian Oil Co., Inc
Address: PO Box 209
Medicine Lodge, KS 67104-0209

GEOLOGIST

Name: Aaron L. Young, M.S.
Company: Young Consulting LLC
Address: 929 W. Douglas Ave
Wichita, Kansas 67213

General Info

CONTRACTOR: Fossil Drilling Rig #3

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	17-1/5	RR		60'	60'	1.0
1	12-1/4	RR	3x14s, 3x15s	245'	185'	2.75
3	7-7/8	MI 616	16-16-16	4733'	4488'	81.25

Surveys: 1357'-1.0, 1865'-1, 2371'-.75, 2875'-.75, 3380'-.75, 3887'-2.75 (went of too early), 3919'-1, 4260'-1.25, 4733'-1

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 12,000-20,000 lbs. on bit and approx 100-110 RPM.
Pumping approx 950-1050 psi at standpipe @ 60 SPM
Drilling w/ 10 stands of collars; 583.84'

Daily Status

06/20/23 Spud @ 5:30pm. Drilled 60'. Set conductor. Cem w/ 100 sx Class A
 06/21/23 TOH to run surface casing @ 245'. Ran 5 jts 8 5/8 surface casing. Cem w/ 225 sx 60/40 Poz mix, cello flake 1/4#. Cem did circ w/ 5 bbls to reserve pit. Plug down @ 9:30am.
 06/22/23 Drilling @ 1351'
 06/23/23 Drilling @ 2590'
 06/24/23 Drilling @ 3750'
 06/25/23 TIH for DST #1 @ 4260'
 06/26/23 Repairing drilling line guide @ 4308'
 06/27/23 Logging. RTD 4733',
 06/28/23 D @ C Pits, Rig Released at 7. Ran 113 jts of 5-1/2" production casing set at 4721'. Cem w/ 175 sx. 20 sx MH, 30 sx in RH.

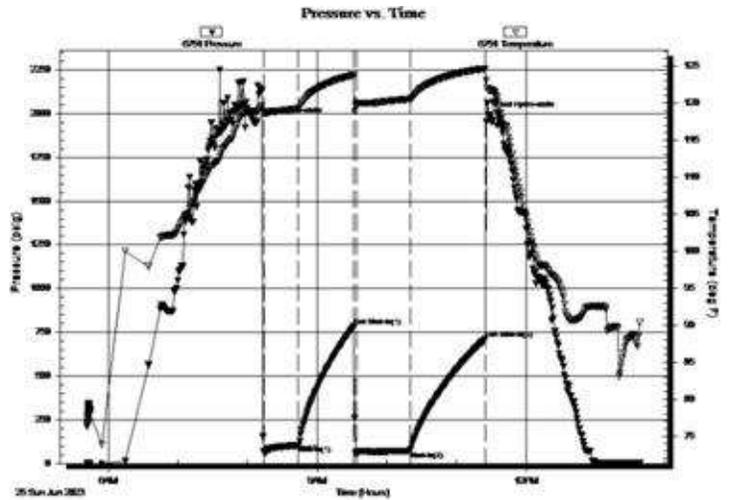
DST #1

Miss 4210' - 4260'
 30" - 45" - 45" - 60"

IF: BOB Immed. Built to 670"
 ISI: No blow back
 FF: BOB Immed. Built to 528"
 FSI: No blow back

Rec'd: 140' GM (5% G, 95% M)

SIP: 783-713#
 FP: 64-105#, 51-73#
 HP: 1955-1987#



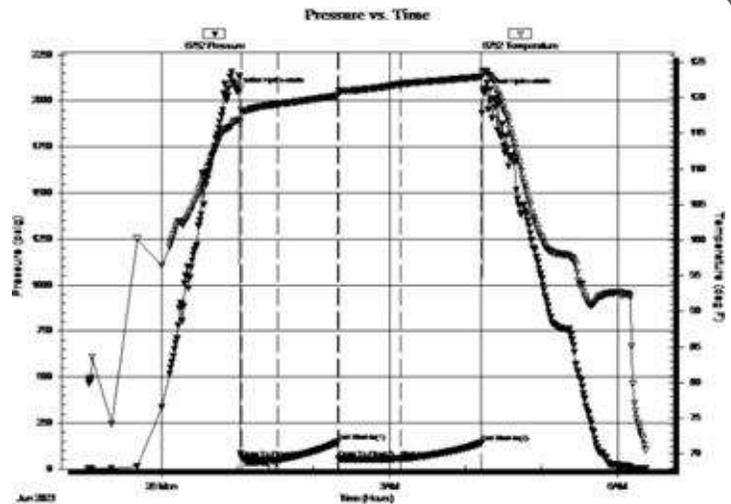
DST #2

Miss 4260' - 4308'
 30" - 45" - 45" - 60"

IF: Fair blow. Built to 8"
 ISI: No blow back
 FF: Weak blow. Built to 1.8"
 FSI: No blow back

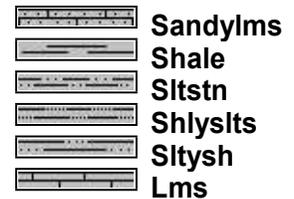
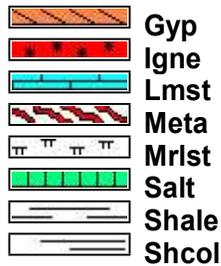
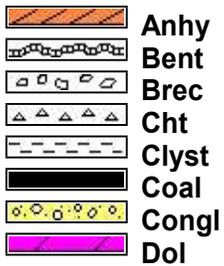
Rec'd: 30' Oil spotted mud (100% M)

SIP: 146-143#
 FP: 60-52#, 59-56#
 HP: 2048-2044#

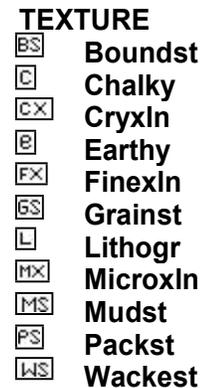
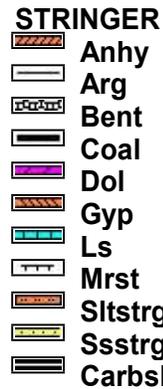
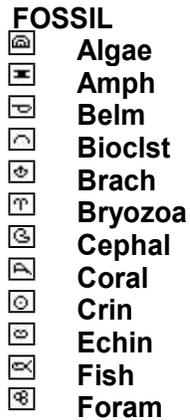


Log Tops		
Heebner	3525	-1890
Douglas Sh	3556	-1921
U Doug Sd	3588	-1953
L Doug Sd	3672	-2037
Brown Lime	3716	-2081
Lansing	3728	-2093
Stark	4058	-2423
Hushpuckney	4097	-2462
Miss	4233	-2598
B Miss Cht	4300	-2665
Kinderhook	4345	-2710
Viola	4503	-2868
Simpson SH	4586	-2951
Simpson Sd	4590	-2955
Arbuckle	4704	-3069

ROCK TYPES



ACCESSORIES



OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- F Fenest
- X Fracture
- I Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- F Subrnd
- a Subang
- A Angular

OIL SHOWS

- Even
- ◉ Spotted
- ◐ Ques
- ◑ Dead
- ⊠ Gas show

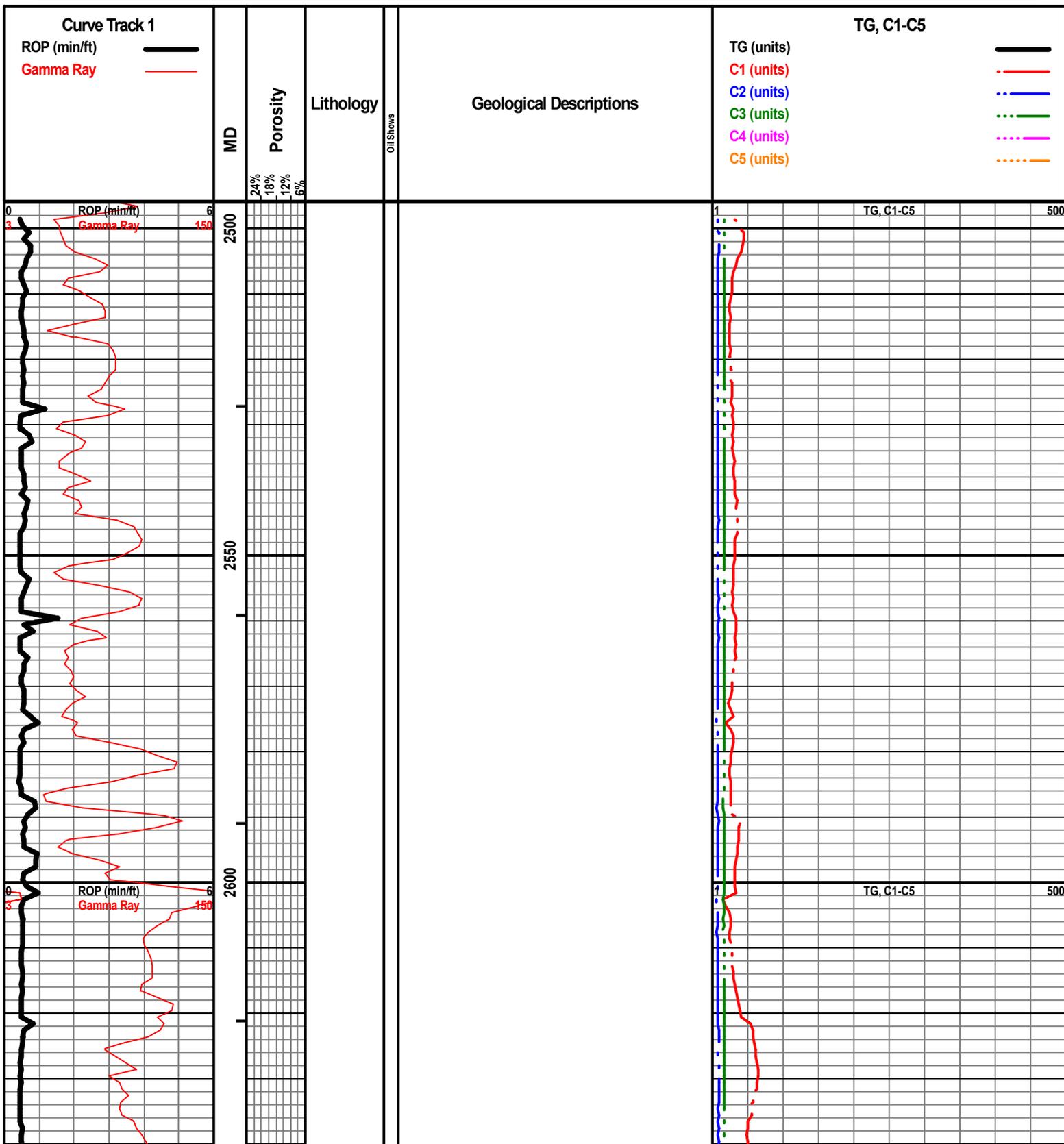
INTERVALS

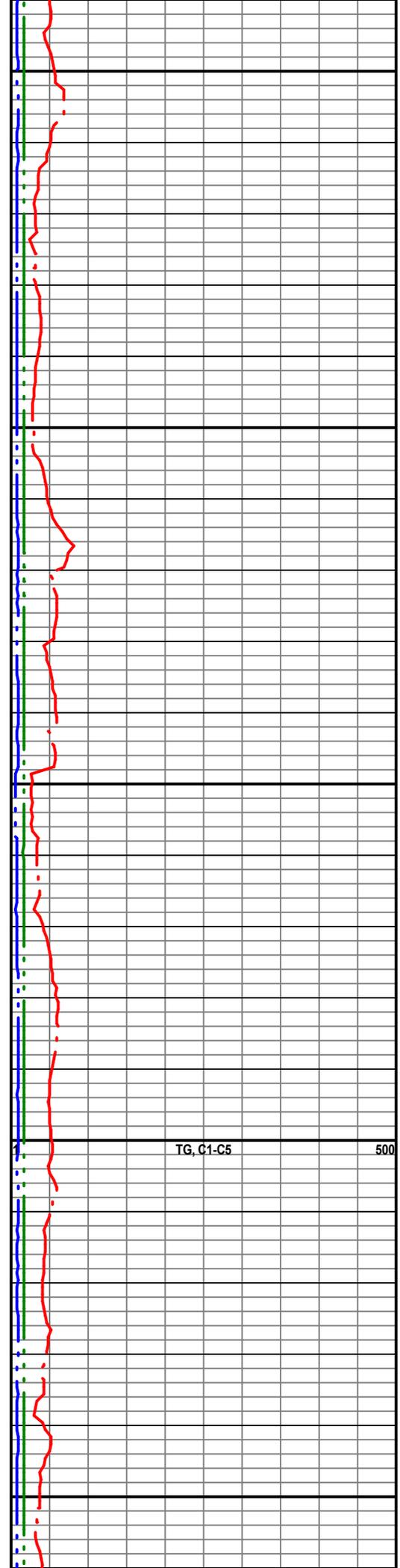
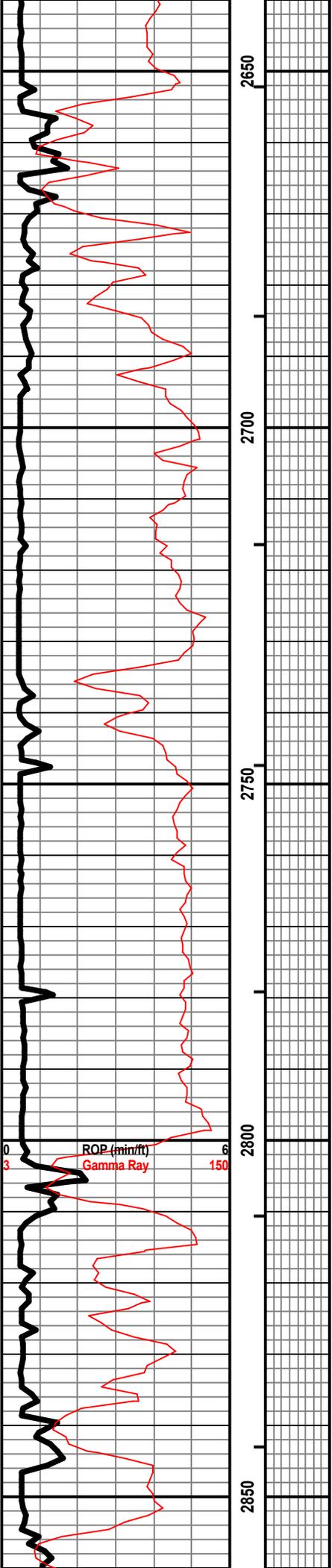
- Core
- ◻ Dst

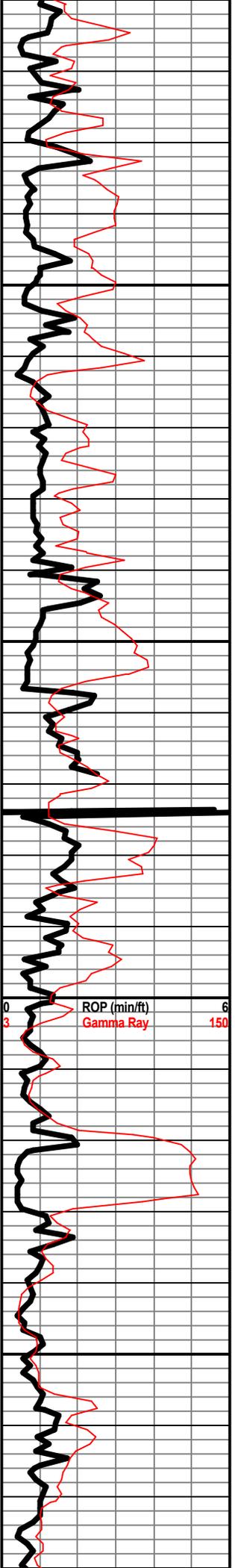
- Dst

EVENTS

- ▽ Rft
- ▾ Sidewall
- ▬ Conn







2900

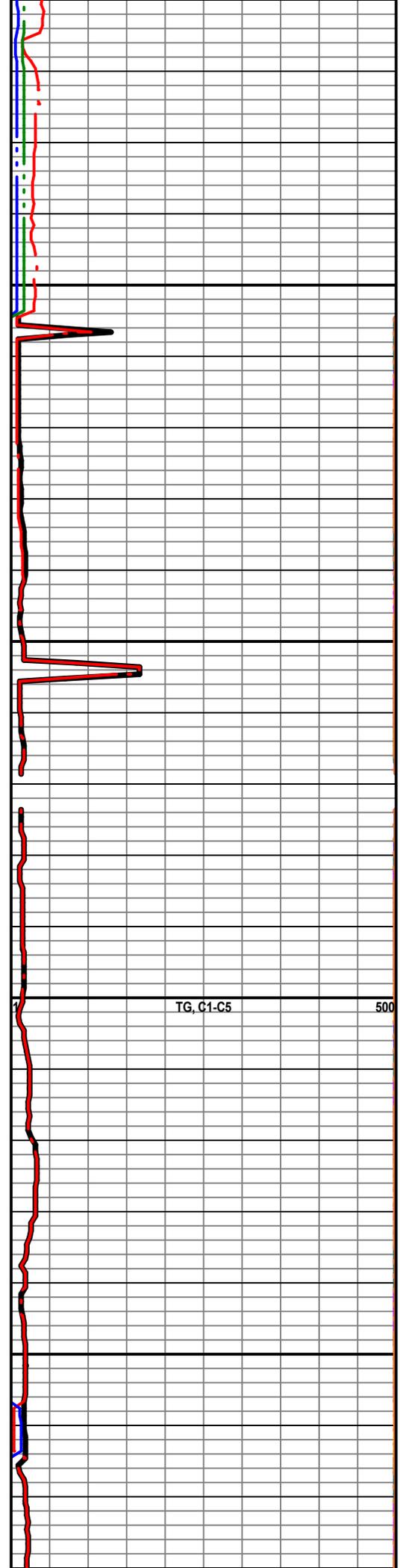
2950

3000

3050

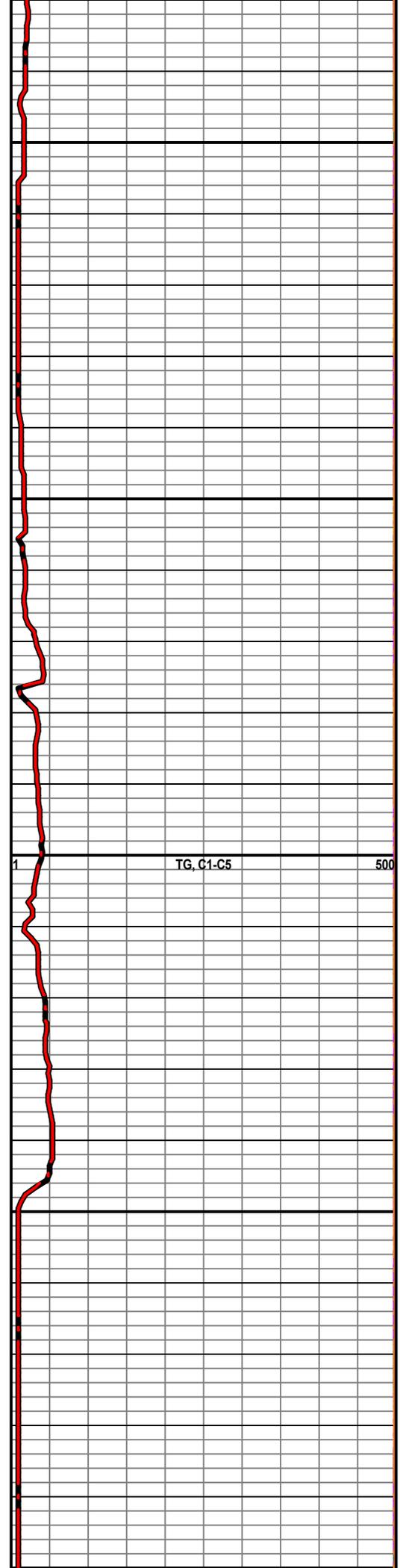
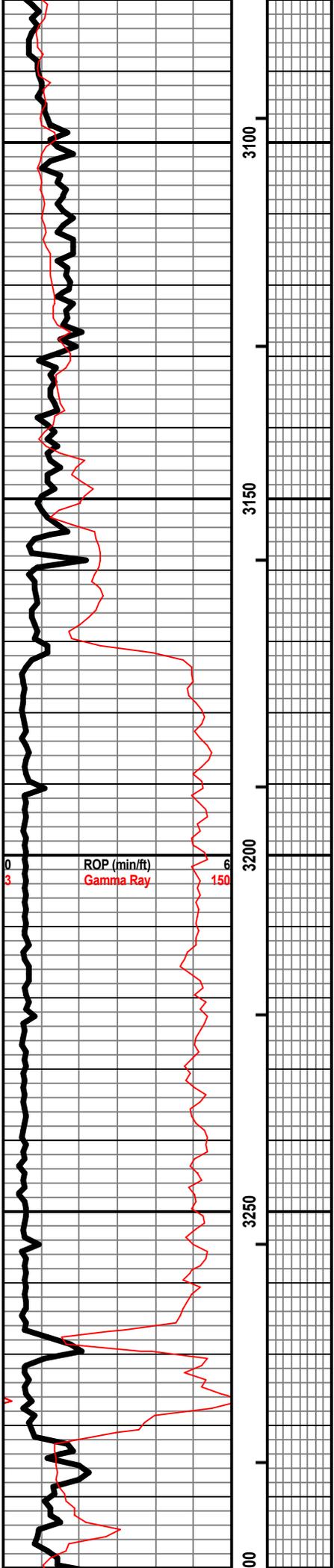
ROP (min/ft)
Gamma Ray

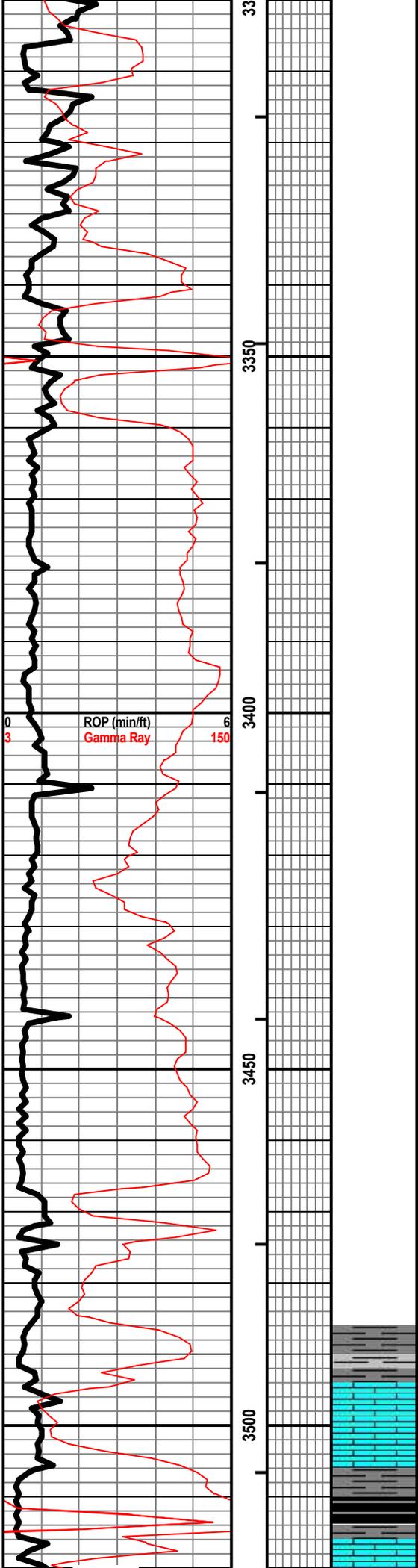
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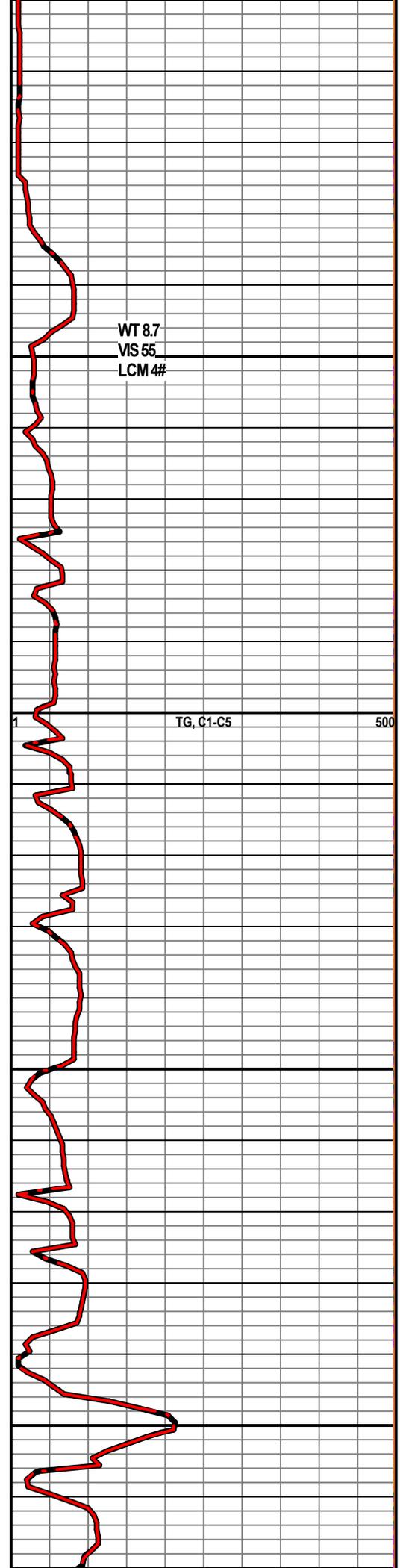
TG, C1-C5

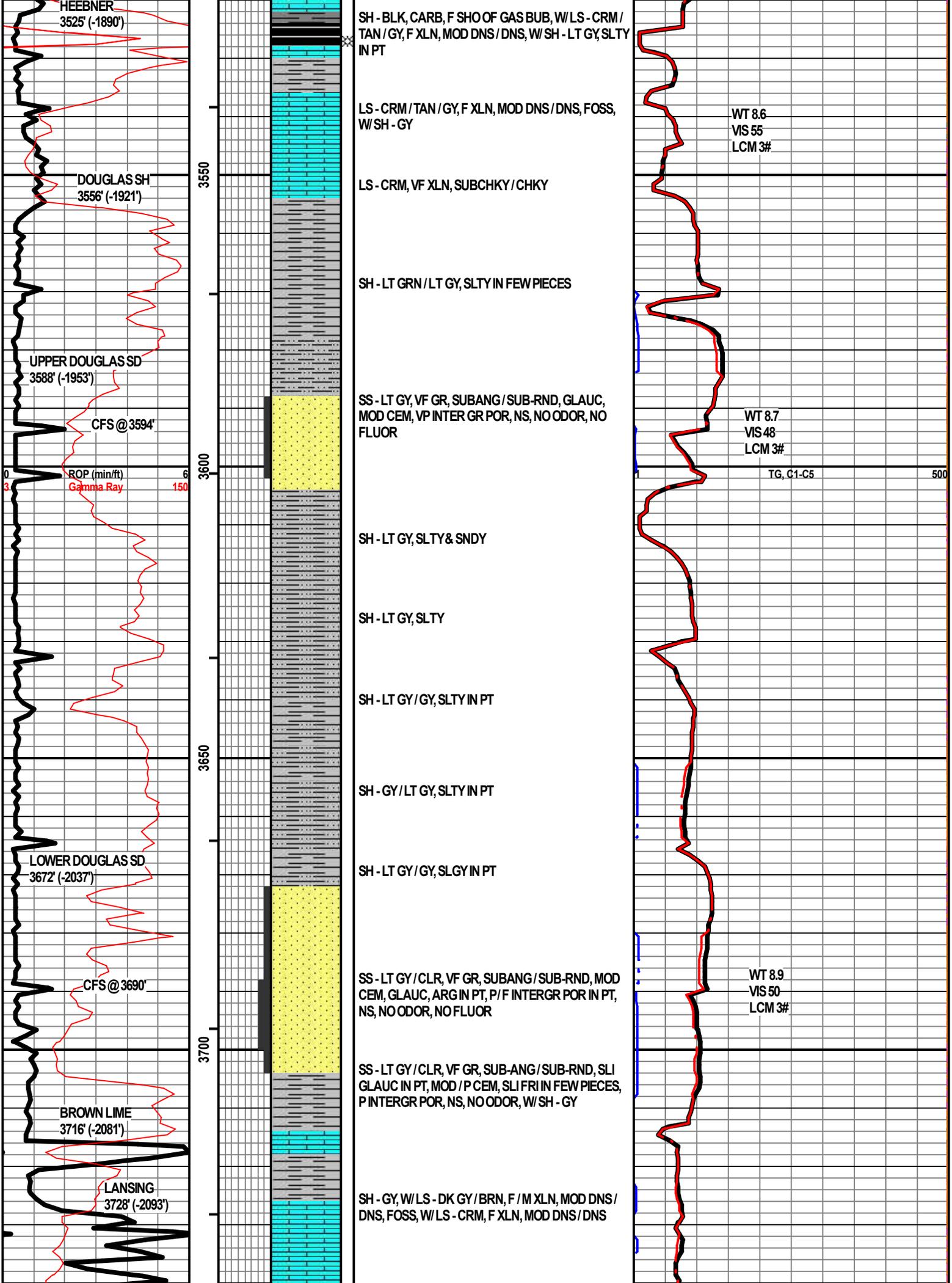
500

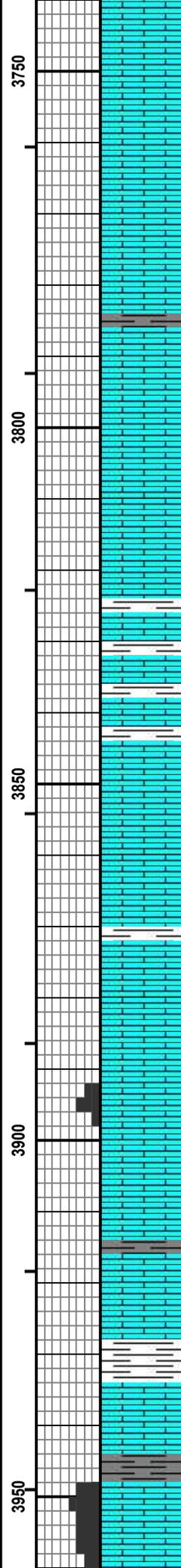
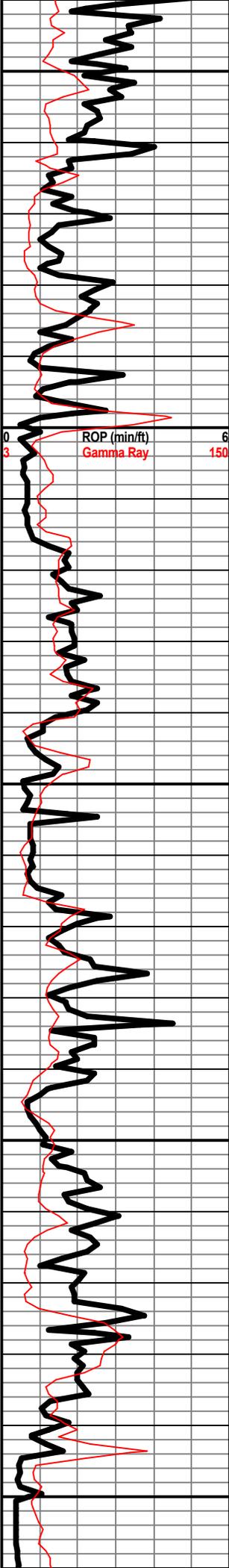




LS - GY, F XLN, MOD DNS / DNS, FOSS IN PT, W / SH - GY







LS - CRM / TAN, F XLN, DNS / MOD DNS / SUBCHKY
IN FEW PIECES, FOSS

LS - TAN / CRM, F XLN, MOD DNS, FOSS IN PT

LS - PRED CRM, VF XLN, PRED MOD DNS /
SUBCHKY IN PT, W/LS - TAN / GY, F XLN, MOD DNS /
DNS, FOSS IN PT

LS - CRM, VF XLN, SUBCHKY / MOD DNS, CHKY IN
PT, W/ FEW PIECES SH - DK GY / GY

LS - TAN / CRM / GY, F XLN, MOD DNS, FOSS IN PT

LS - TAN / CRM / GY, F / VF XLN, MOD DNS / DNS,
SUBCHKY IN PT, FEW SCAT CHKY PIECES, W/ SH -
GRN / GY

LS - CRM / TAN, F / M XLN, VF XLN IN PT, PRED DNS /
MOD DNS, FEW SCAT V CHKY PIECES, W/ SH - GRN /
GY

LS - TAN / CRM, F XLN, M XLN IN PT, DNS / MOD DNS,
FOSS IN PT, W/ SH - GY

LS - CMR / TAN, F XLN, MOD DNS, P / F INTERXLN &
VUG POR IN PT, NS, NO ODOR, ABUND FOSS IN PT,
SCAT LS - WHT / TAN, V CHKY

LS - CRM / TAN / GY, F / VF XLN, DNS / MOD DNS /
SUBCHKY IN PT, FOSS IN PT, FEW PIECES OOLITIC,
W/ SH - DK BY / BLK

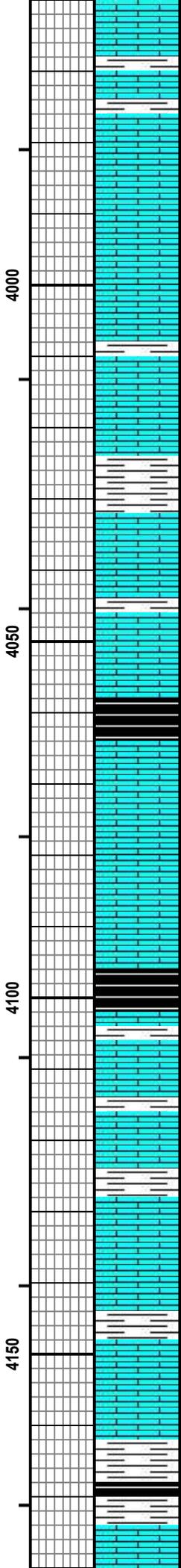
LS - TAN / CRM / GY, F XLN, MOD DNS / SUBHCKY IN
PT, W/ SH - MAR / GRN / GY

LS - TAN / CRM, F XLN, F / G INTERXLN &
INTERPART POR, VUG POR IN PT, ABUND FOSS,
OOLITIC IN PT, NS, NO ODOR

WT 9.0
VIS 55
LCM 3#

TG, C1-C5

500



LS - CRM / LT GY, F / M XLN, MOD DNS / DNS, W / SH - GY / GRN

WT 9.2
VIS 54
LCM 2#

LS - CRM / TAN, F XLN, MOD DNS, FOSS IN PT

TG, C1-C5

LS - CRM / TAN / GY, F XLN, MOD DNS / DNS, W / SH - GRN / GY

WT 9.3
VIS 52
LCM 3#

LS - CRM / TAN, F XLN, MOD DNS, FOSS IN PT, W / SH - LT GRN / GY

LS - CRM / TAN / GY, F / VF XLN, DNS / MOD DNS / SUBCHKY, FOSS IN PT, W / SH - GRN / GY

STARK
4058' (-2423')

SH - BLK, CARB, SLI SHO OF GAS BUB, W / LS - CRM / TAN / GY IN PT, F / M XLN, DNS / MOD DNS

LS - TAN / GY, F / M XLN, MOD DNS / DNS

HUSHPUCKNEY
4097' (-2462')

SH - BLK, CARB, SLI SHO OF GAS BUB, W / LS - CRM / TAN, F XLN, MOD DNS / DNS, SUBCHKY IN PT, W / SH - LT GRN / LT GY

WT 9.3
VIS 53
LCM 3#

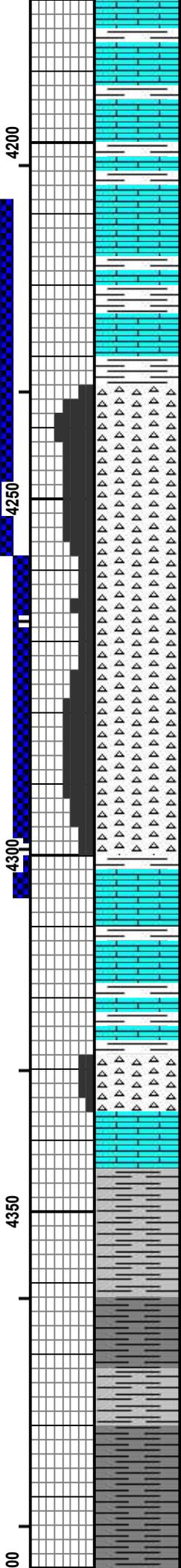
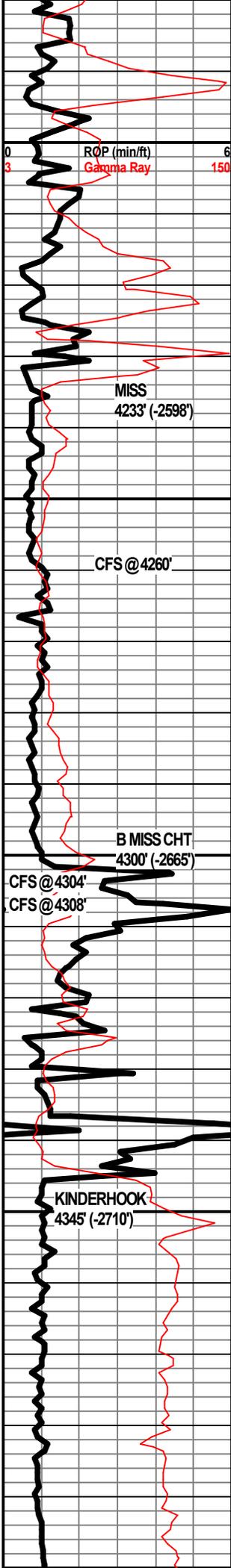
LS - TAN / GY, F / M XLN, MOD DNS / DNS, FOSS IN PT, W / SH - GRN / GY / RDISH-ORNG IN PT

LS - DK GY / GY, M XLN, V DNS / DNS, W / LS - TAN / CRM, F XLN, MOD DNS, W / SH - GY / GRN

DST #1
Miss 4210' - 4260'
30" - 45" - 45" - 60"

LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS IN PT, W / SH - GRN / GY, PYRITIC IN PT

IF: BOB Immed. Built to 670"
ISI: No blow back
FF: BOB Immed. Built to 528"
FSI: No blow back



LS - TAN / CRM, F XLN, MOD DNS / DNS, FOSS IN PT, W/SH - GRN / GY / BLK, MAR IN PT

LS - TAN / CRM, F XLN, MOD DSN / DNS, FOSS IN PT, W/SH - GRN / GY

LS - CRM / TAN / GY, F / M XLN, DNS, FOSS IN PT, W/SH - GRN / GY / MAR IN PT

SH - GRN / GY, W/LS - GY / TAN, F / M XLN, DNS

CHT - WHT / TAN / GY, PRED OPAQ, TRANSLUCNT IN PT, PRED F / G WEATH POR, FRSH IN PT, ABUND OIL SHEEN, VSSFO, G CUP ODOR, F SHO OF GAS BUB, BRI YEL-GRN FLUOR

CHT - WHT / TAN / CLR, 85% F WEATH POR, 15% FRSH, ABUND OIL SHEEN, VSSFO, G CU ODOR, F SHO OF GAS BUB, BRI YEL-GRN FLUOR

CHT - WHT / GY / CLR, TRANSLUCNT IN PT, PRED 80% FRSH, 20% P / F WEATH POR, VSSFO, SLI OIL SHEEN, SLI SHO OF GAS BUB, MOD YEL-GRN FLUOR IN SHO ROCKS

CHT - WHT / GY / CLR, 40% FRSH, 60% F WEATH POR, SSFO, V LT OIL DROPLETS, ABUND OIL SHEEN, F CUP ODOR, F SHO OF GAS BUB, SLI YEL-GRN FLUOR

LS - TAN / BRN / GY IN PT, F / M XLN, DNS / MOD DNS, W/SH - GRN / RD-ORNG / GY

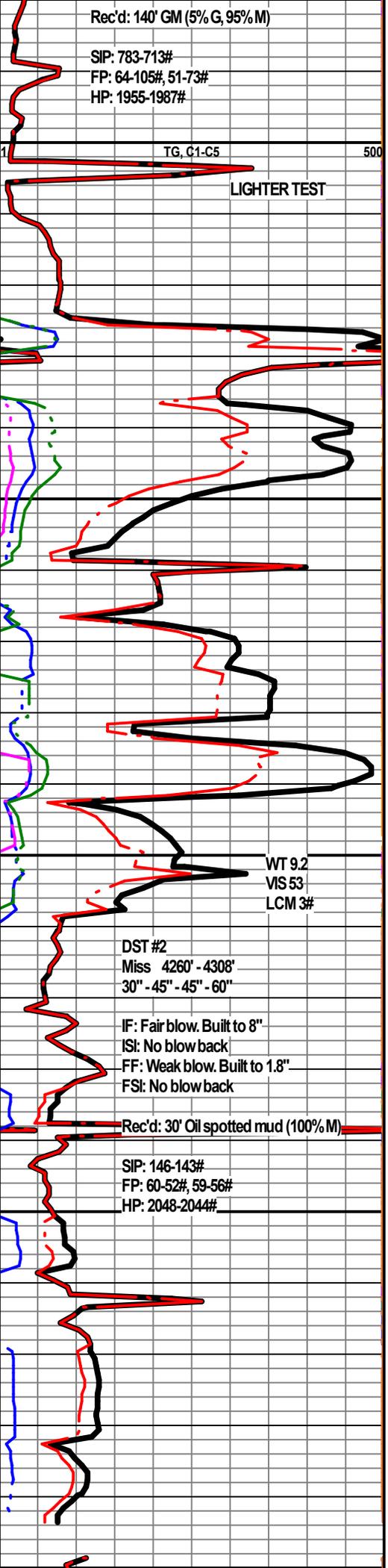
LS - RDISH-BRN / TAN / CRM, ARG IS RDISH-BRN SH, W/SH - RDISH-BRN / GY / GRN IN PT

CHT - WHT / GY / CLR, SLI TRANSLUCNT IN PT, 80% FRSH, 20% P / F WEATH POR, SAT STN IN PT, EDGE STN IN PT, SLI OIL SHEEN, SLI CUP ODOR, DULL FLUOR, SH - GRN / MAR / RDISH-BRN / GRN, W/LS - CRM, VF / F XLN, MOD DSN / DNS

SH - LT GY

SH - LT GY / GY

SH - GY / LT GY



Rec'd: 140' GM (5% G, 95% M)
 SIP: 783-713#
 FP: 64-105#, 51-73#
 HP: 1955-1987#

TG, C1-C5
 LIGHTER TEST

WT 9.2
 VIS 53
 LCM 3#

DST #2
 Miss 4260' - 4308'
 30" - 45" - 45" - 60"

IF: Fair blow. Built to 8"
 IS: No blow back
 FF: Weak blow. Built to 1.8"
 FSI: No blow back

Rec'd: 30' Oil spotted mud (100% M)
 SIP: 146-143#
 FP: 60-52#, 59-56#
 HP: 2048-2044#

4200
 4250
 4300
 4350
 00

ROP (min/ft)
 Gamma Ray

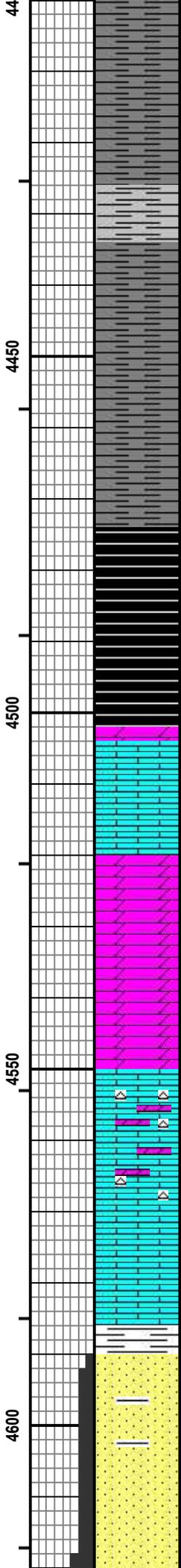
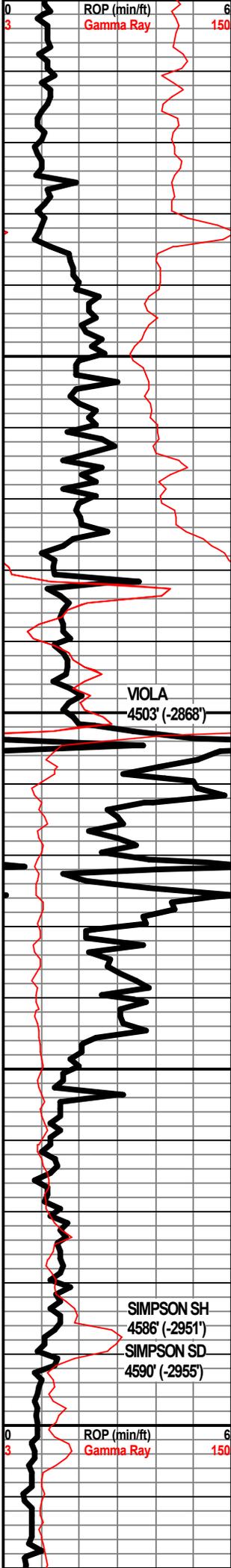
MISS
 4233' (-2598')

CFS @ 4260'

B MISS CHT
 4300' (-2665')

CFS @ 4304'
 CFS @ 4308'

KINDERHOOK
 4345' (-2710')



SH - GY

SH GY / LT GY

SH - GY

SH - GY / DK GY

SH - BLK, CARB, PYRITIC IN PT

DOLO - GY, VF XLN, SLI SUC, NO VIS POR, NS, W/LS - CRM / TAN, F / VF XLN, MOD DNS / SUBCHKY IN PT, NS, NO ODOR, NO FLUOR

DOLO - TAN / LT GY, F XLN, SLI SUC, NO VIS POR, NS, LMY IN PT, W/

DOLO - DK GY / GY / TAN, F XLN, SUC, W/LS - GY / TAN, M / F XLN, DNS

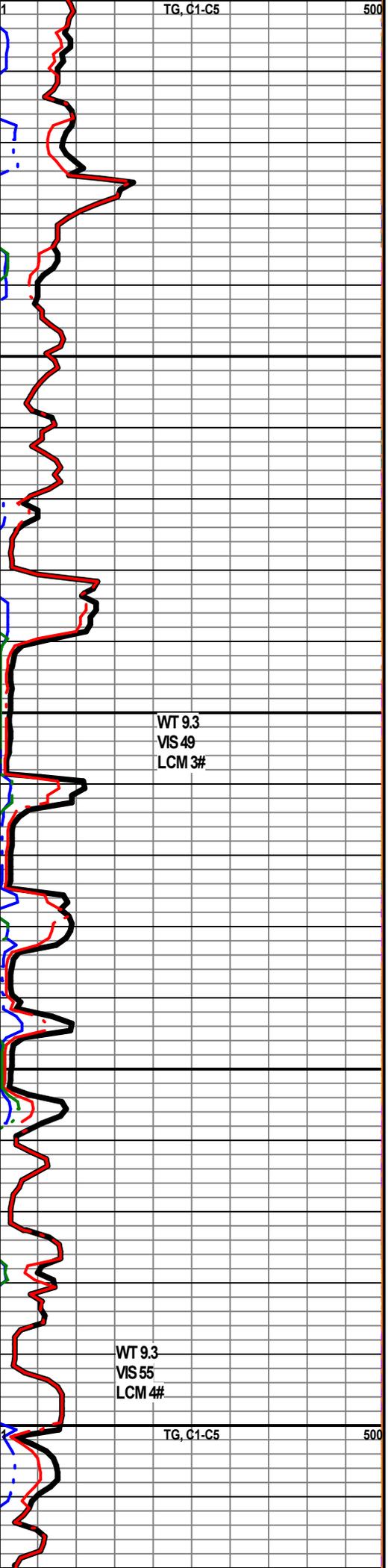
LS - GY / TAN, M / F XLN, DNS / MOD DNS, DOLOMITIC IN PT, CHTY IN PT, W/ CHT - DK TAN / GY, SLI TRANSLUCNT, FRSH

LS - CRM / WHT, VF XLN, CHKY

SH - GRN, WAXY

SS - CLR / WHT / GY, F / VF GR, SUB-RND, MOD SRTD, MOD / W CEM, FRI IN FEW PICES, P / F INTERGR POR IN PT, NS, NO ODOR, NO FLUOR

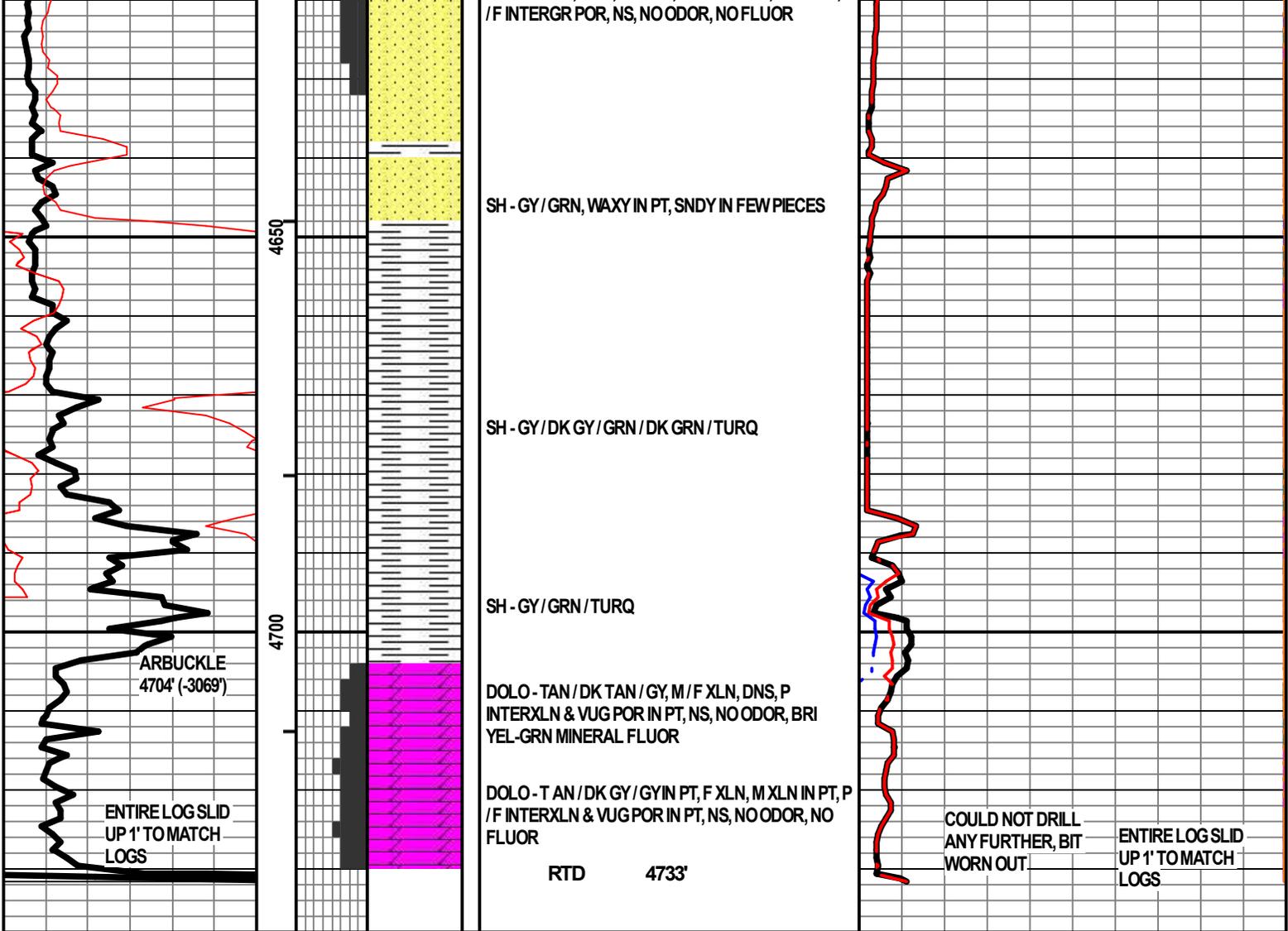
SS - F / M GR, RND, P SRTD, P / MOD CEM, FRI IN PT, P



WT 9.3
VIS 49
LCM 3#

WT 9.3
VIS 55
LCM 4#

TG, C1-C5





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Indian Oil Co., Inc

35/30/12

Warren 6

Job Ticket: 70667

DST#: 2

ATTN: Aaron Young

Test Start: 2023.06.25 @ 23:03:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: 1635.00 ft (KB)

Time Tool Opened: 01:03:17

Time Test Ended: 06:23:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4260.00 ft (KB) To 4308.00 ft (KB) (TVD)

Reference Elevations: 1635.00 ft (KB)

Total Depth: 4308.00 ft (KB) (TVD)

1623.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6752 Inside

Press@RunDepth: 55.92 psig @ 4261.00 ft (KB)

Capacity: psig

Start Date: 2023.06.25

End Date:

2023.06.26

Last Calib.: 1899.12.30

Start Time: 23:03:01

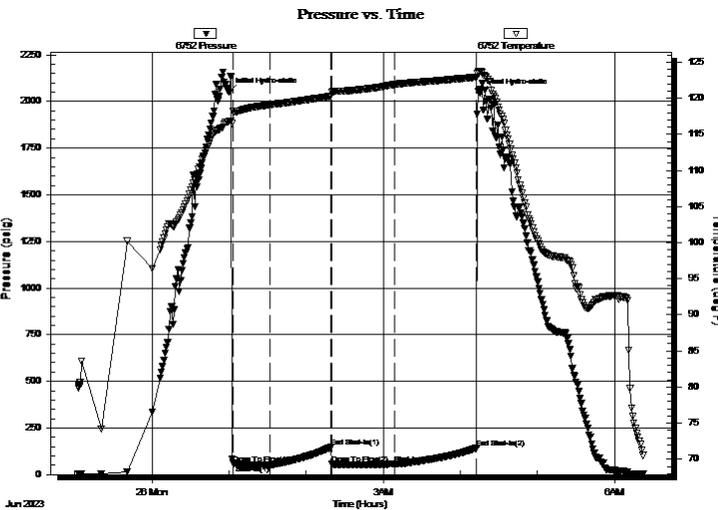
End Time:

06:23:02

Time On Btm: 2023.06.26 @ 01:00:17

Time Off Btm: 2023.06.26 @ 04:15:47

TEST COMMENT: IF: 30 min., fair building blow , 8 inches
 IS: 45 min., no blow back
 FF: 45 min., weak building blow , 1.8 inches
 FS: 60 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2048.38	116.80	Initial Hydro-static
3	59.53	118.23	Open To Flow (1)
32	50.51	119.09	Shut-In(1)
79	146.15	120.29	End Shut-In(1)
80	58.81	120.80	Open To Flow (2)
129	55.92	121.90	Shut-In(2)
193	143.39	122.95	End Shut-In(2)
196	2044.22	123.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	oil spotted mud 100%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co., Inc

35/30/12

Warren 6

Job Ticket: 70667

DST#: 2

ATTN: Aaron Young

Test Start: 2023.06.25 @ 23:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	oil spotted mud 100%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

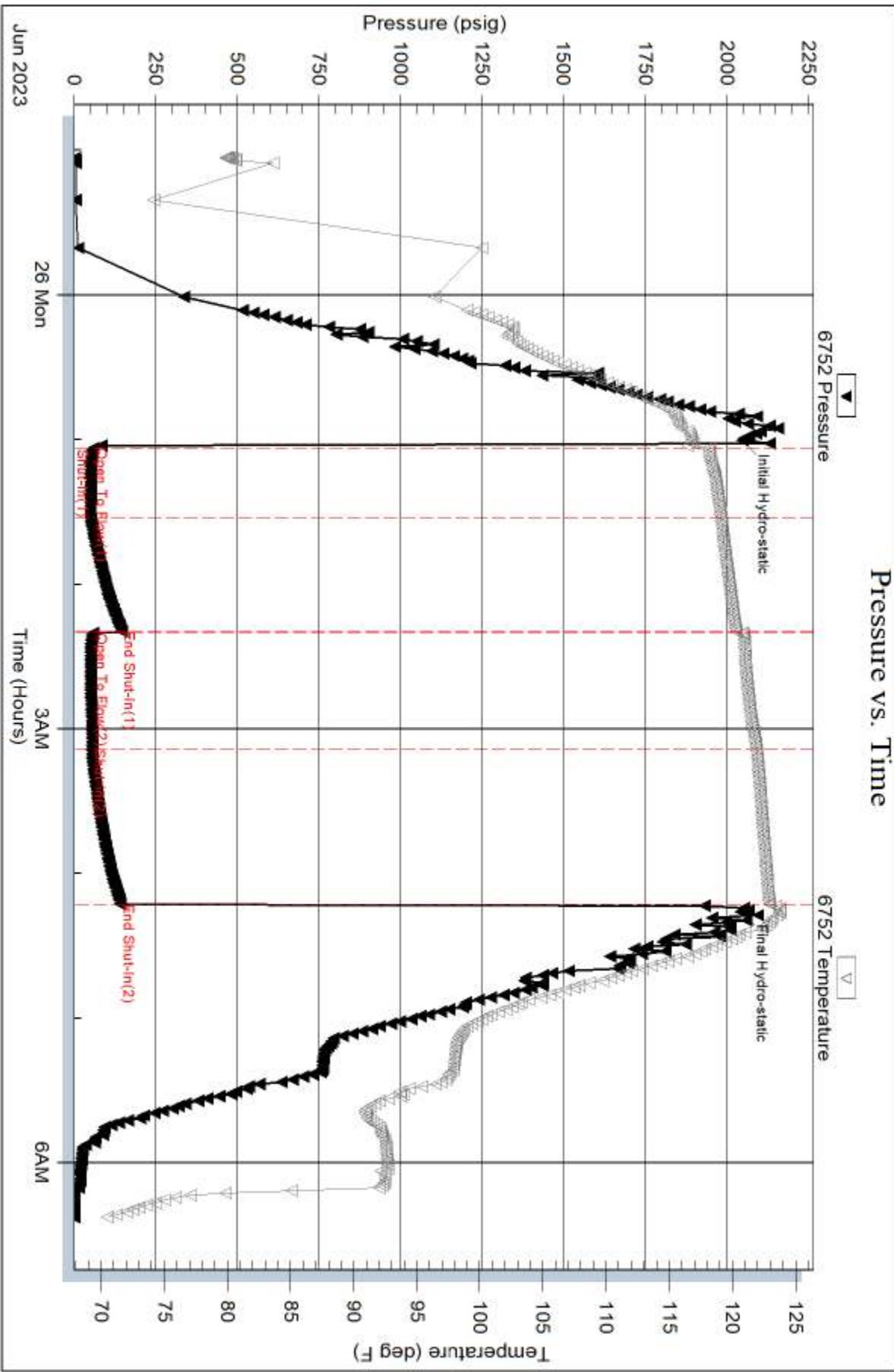
Serial #: 6752

Inside

Indian Oil Co., Inc

Warren 6

DST Test Number: 2



Serial #: 6751

Outside Indian Oil Co., Inc

Warren 6

DST Test Number: 2

