

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	BANKS NORTH 3
Doc ID	1677588

All Electric Logs Run

DUAL INDUCTION
DENSITY NEUTRON
FRAC FINDER
MICRO
SONIC

Form	ACO1 - Well Completion
Operator	Indian Oil Co., Inc.
Well Name	BANKS NORTH 3
Doc ID	1677588

Tops

Name	Top	Datum
HEEBNER	3569	-1888
DOUGLAS	3596	-1915
UPPER DOUGLAS	3621	-1940
LOWER DOUGLAS	3704	-2023
BROWN LIME	3770	-2089
LANSING	3785	-2104
STARK	4114	-2333
HUSHPUCKNEY	4151	-2470
BKC	4222	-2541
MISSISSIPPI	4289	-2608
KINDERHOOK	4386	-2705
VIOLA	4564	-2883
SIMPSON SH	4652	-2971
SIMPSON SS	4672	-2991
ARBUCKLE	4748	-3067



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: 9/14/2022
Invoice #: 0363292
Lease Name: Banks North
Well #: 3 (New)
County: Barber, Ks
Job Number: WP3371
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Production Casing	0.000	0.000	0.00
H-Long	175.000	35.000	6,125.00
H-Plug	50.000	14.000	700.00
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	25.000	2.000	50.00
Heavy Eq Mileage	50.000	4.000	200.00
Ton Mileage	259.000	1.500	388.50
Cement Blending & Mixing	275.000	1.400	385.00
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 13,918.50

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!

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



Customer	Indian Oil Company	Lease & Well #	Banks North 3	Date	9/14/2022
Service District	Pratt Kansas	County & State	Barber, Kansas	Legals S/T/R	38-30s-12w
Job Type	Production casing	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
916	M Brungardt	<input type="checkbox"/> Hard hat	<input type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
132/521	A Clifton	<input type="checkbox"/> H2S Monitor	<input type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
523/533	F Conteras	<input type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
cp030	H-Long	sack	175.00	\$6,125.00
cp055	H-Plug A	sack	50.00	\$700.00
fe145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$375.00
fe170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
fe130	5 1/2" Cement Basket	ea	1.00	\$300.00
fe135	5 1/2" Turbolizer	ea	10.00	\$1,250.00
cp170	Mud Flush	gal	500.00	\$500.00
q7055	Liquid KCL Substitute 2	gal	1.00	\$20.00
m015	Light Equipment Mileage	mi	25.00	\$50.00
m010	Heavy Equipment Mileage	mi	50.00	\$200.00
m020	Ton Mileage	tm	259.00	\$388.50
c060	Cement Blending & Mixing Service	sack	275.00	\$385.00
d015	Depth Charge: 4001'-5000'	job	1.00	\$2,500.00
c035	Cement Data Acquisition	job	1.00	\$250.00
c050	Cement Plug Container	job	1.00	\$250.00
r055	Service Supervisor	day	1.00	\$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$13,918.50
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<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 <i>Extremely Likely</i>		Tax Rate:	
		Sale Tax:	\$ -
		Total:	\$ 13,918.50
		HSI Representative: <i>Mark Brungardt</i>	

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 1/2% 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 revocation, 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 net payment 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 feasible services.

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

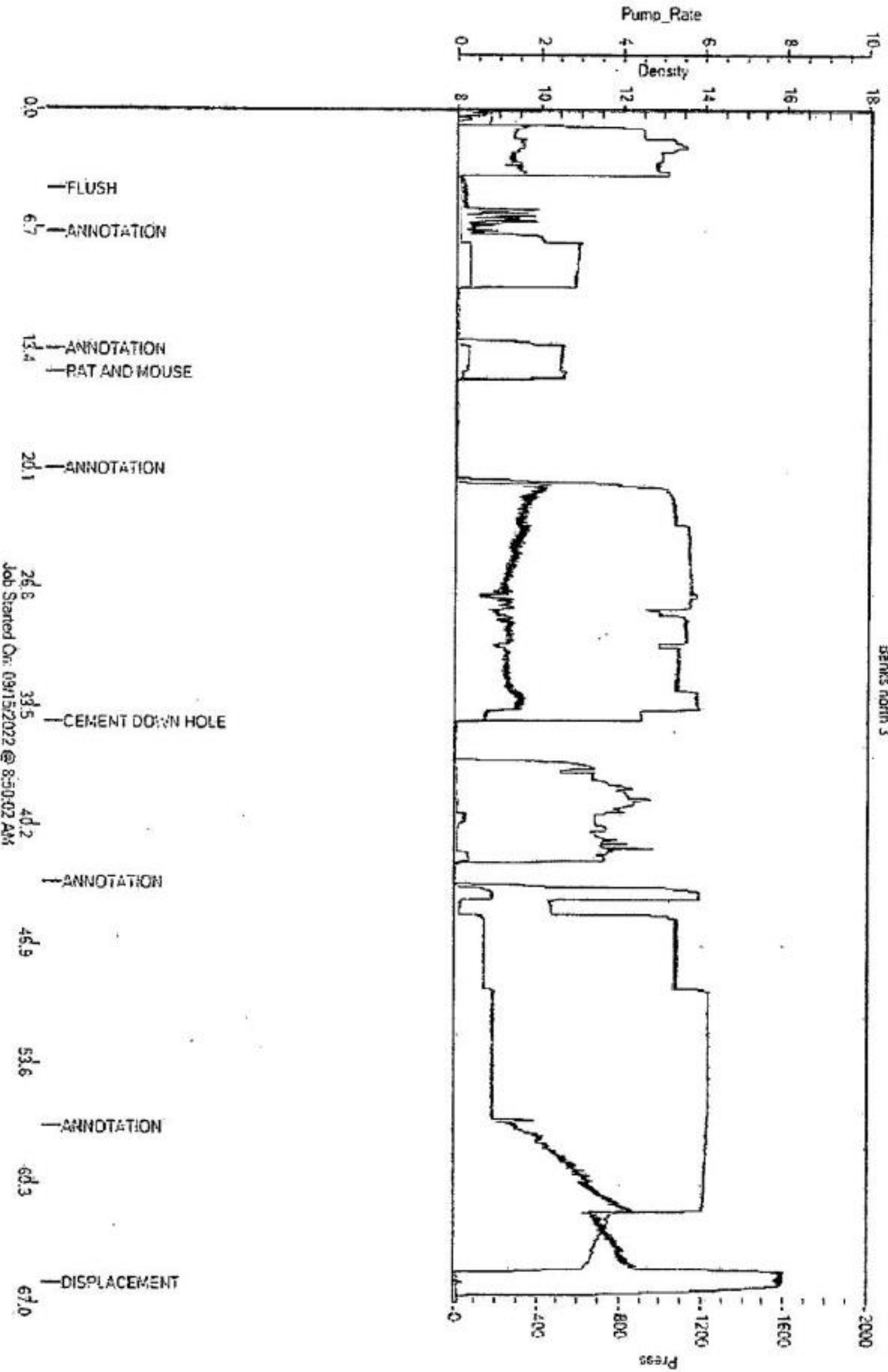
Customer:	Indian Oil Company	Well:	Banks North 3	Ticket:	wp 3371
City, State:	Medicine lodge Kansas	County:	Barber.Kansas	Date:	9/14/2022
Field Rep:	Anthony Farrar	S-T-R:	36-30s-12w	Service:	Production casing

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	M- Long	Blend:	M-Plug
Hole Depth:	4810 ft	Weight:	15.0 ppg	Weight:	13.7 ppg
Casing Size:	5 1/2 in	Water / Sx:	6.0 gal / sx	Water / Sx:	6.9 gal / sx
Casing Depth:	4781 ft	Yield:	1.42 ft ³ / sx	Yield:	1.43 ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	113.0 bbls	Total Slurry:	44.0 bbls	Total Slurry:	12.7 bbls
		Total Sacks:	175 sx	Total Sacks:	50 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:00 AM			-	-	on location job and safety
12:16 AM					spot trucks and rig up
					turbolizers 2 6 8 9 11 12 13 23 26 27
					basket 10
2:50 AM					start casing in the hole
5:35 AM					on bottom and circulate
6:30 AM					start flush
	5.0	250.0	12.0	12.0	pump 500 gal flush
				12.0	flush in
6:40 AM	2.0		12.0	24.0	plug rat hole 30 sacks.....plug mouse hole 20 sacks
6:50 AM					start cement down hole
	5.5	350.0	44.0		mix 175 sacks
7:05 AM					cement in
					wash pump and lines and release the plug
7:15 AM					start displacement
	6.0	200.0	20.0		
	6.0	200.0	40.0		
	6.0	500.0	80.0		
	6.0	800.0	100.0		
	3.5	900.0	110.0		
7:35 AM	3.5	900.0	113.0		plug down.....took pressure from 900 to 1600 psi
					plug did hold

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	A Clifton	182/521	4.8 bpm	456 psi	531 bbls
Bulk #1:	F Conteras	523/533			
Bulk #2:					

Indian Oil
Banks north 3





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: 9/7/2022
Invoice #: 0363115
Lease Name: Banks North
Well #: 3 (New)
County: Barber, Ks
Job Number: WP3333
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface Pipe	0.000	0.000	0.00
60/40 2 Pozmix C	275.000	20.000	5,500.00
Calcium Chloride	711.000	0.750	533.25
Cello Flake	69.000	1.750	120.75
Light Eq Mileage	25.000	2.000	50.00
Heavy Eq Mileage	50.000	4.000	200.00
Ton Mileage	296.000	1.500	444.00
Cement Blending & Mixing	275.000	1.400	385.00
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 8,758.00

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!



CEMENT TREATMENT REPORT

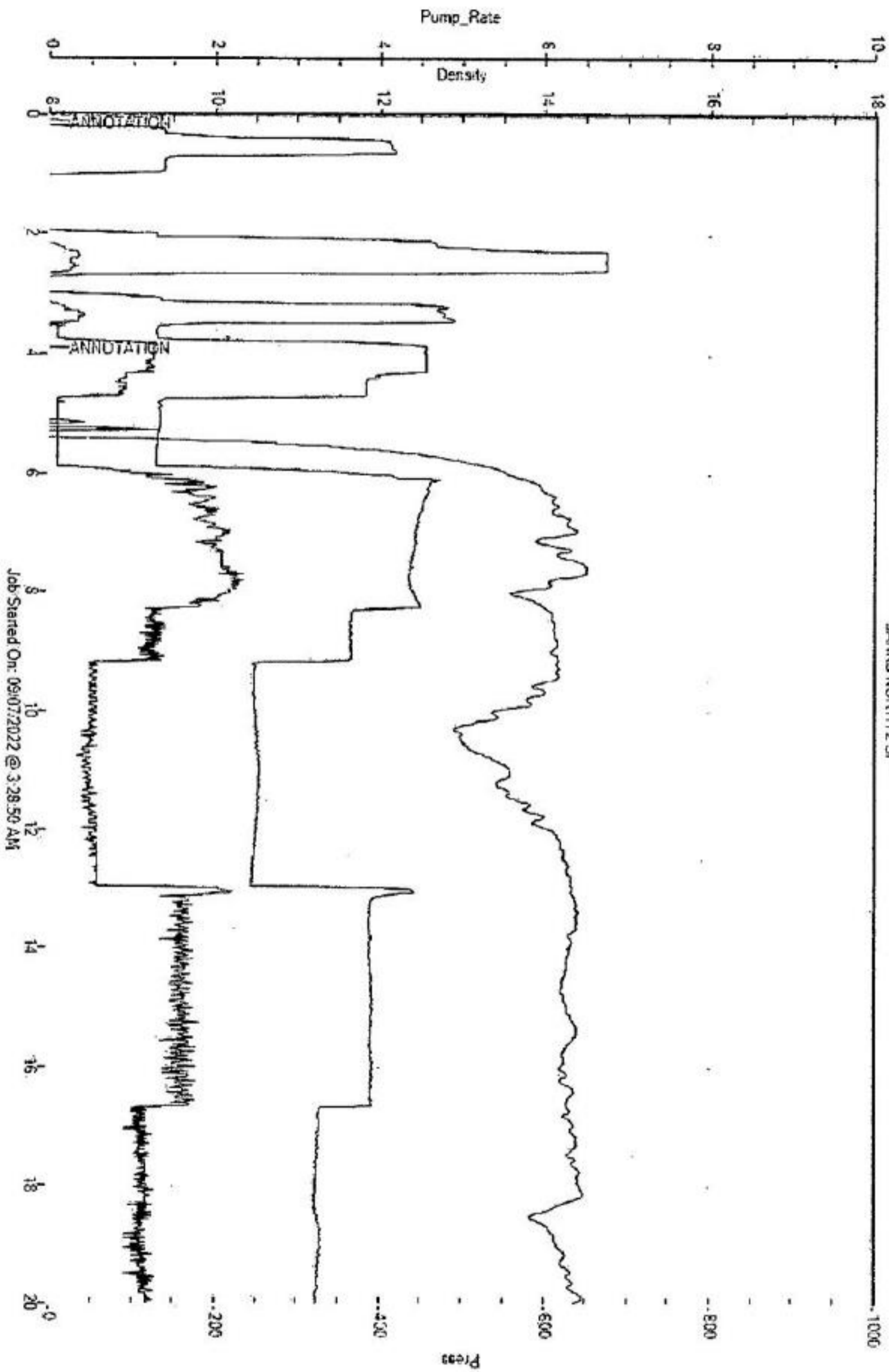
Customer: INDIAN OIL	Well: BANKS NORTH 3	Ticket: WP 3333
City, State:	County: BARBER, KS.	Date: 9/7/2022
Field Rep:	S-T-R: 36-30S-12W	Service: SURFACE PIPE

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	12 1/4 in	Blend:		Blend:	60/40/2 POZMIX C
Hole Depth:	310 ft	Weight:	PPG	Weight:	14.8 ppg
Casing Size:	8 5/8 in 24#	Water / Sx:	gal / sx	Water / Sx:	5.2 gal / sx
Casing Depth:	305 ft	Yield:	ft³ / sx	Yield:	1.21 ft³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
CEMENT Depth:	290 ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	18.5 bbls	Total Slurry:	0.0 bbls	Total Slurry:	59.3 bbls
		Total Sacks:	0 sx	Total Sacks:	275 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:30AM			-	-	ON LOCATION- SPOT EQUIPMENT AND RIG UP
1:30AM				-	RUN 8 5/8" X 24# CASING
3:00AM				-	CASING ON BOTTOM
3:15AM				-	HOOK UP TO CASING AND BREAK CIRCULATION
3:30AM	5.0	300.0	5.0	5.0	H2o AHEAD
3:55AM	5.0	200.0	69.3	64.3	
4:10AM	5.0	100.0	-	64.3	START DISPLACEMENT
4:13AM	3.0	200.0	16.0	80.3	SLOW RATE
4:15AM	3.0	250.0	18.5	98.8	CEMENT @ DESIRED DEPTH
				98.8	CIRCULATED 10 BBL TO PIT
				98.8	
					JOB COMPLETE.
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementor:	LESLEY	936	Average Rate	Average Pressure	Total Fluid
Pump Operator:	HARRISON	179-521	4.2 bpm	210 psi	99 bbls
Bulk #1:	TREVINO	526-256			
Bulk #2:					

INDIAN OIL
BANKS NORTH 2 SP





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Indian Oil Co, Inc.
308 S Main St
Medicine Lodge, KS. 67104
ATTN: Aaron Young

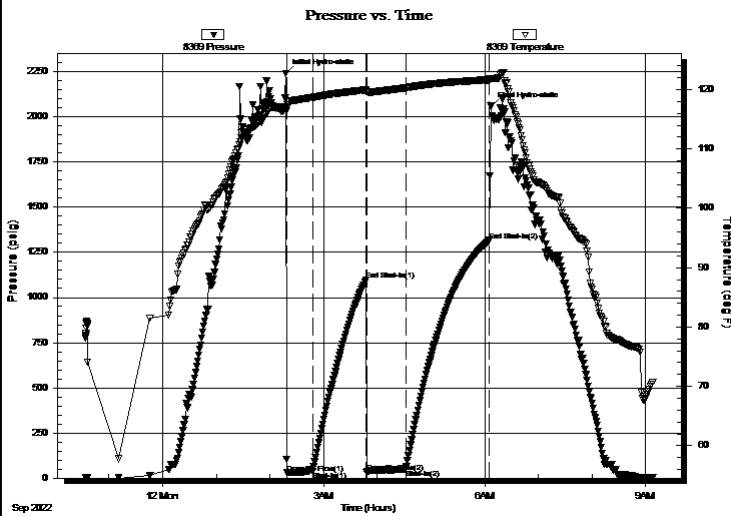
36-30S-12W Barber Co
Banks North #3
Job Ticket: 69545 **DST#: 1**
Test Start: 2022.09.11 @ 22:33:57

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:18:47
Time Test Ended: 09:08:46
Interval: **4264.00 ft (KB) To 4324.00 ft (KB) (TVD)**
Total Depth: 4324.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Eric Burgess
Unit No: 80
Reference Elevations: 1681.00 ft (KB)
1673.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8369 Outside
Press@RunDepth: 49.17 psig @ 4269.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.09.11 End Date: 2022.09.12 Last Calib.: 2022.09.12
Start Time: 22:33:58 End Time: 09:08:46 Time On Btm: 2022.09.12 @ 02:17:27
Time Off Btm: 2022.09.12 @ 06:06:57

TEST COMMENT: IF:Strong Building Blow built 50.08" (30)
IS:No Blow Back (60)
FF:Strong Building Blow built 133.14" (45)
FS:No Blow Back (90)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2240.84	117.23	Initial Hydro-static
2	29.12	116.87	Open To Flow (1)
31	37.80	118.67	Shut-In(1)
90	1095.72	119.93	End Shut-In(1)
91	32.97	119.63	Open To Flow (2)
135	49.17	120.27	Shut-In(2)
228	1315.37	121.64	End Shut-In(2)
230	2059.06	121.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GOSM 5%G 95%M	0.32
0.00	2016' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co, Inc.
308 S Main St
Medicine Lodge, KS. 67104
ATTN: Aaron Young

36-30S-12W Barber Co
Banks North #3
Job Ticket: 69545 **DST#: 1**
Test Start: 2022.09.11 @ 22:33:57

Mud and Cushion Information

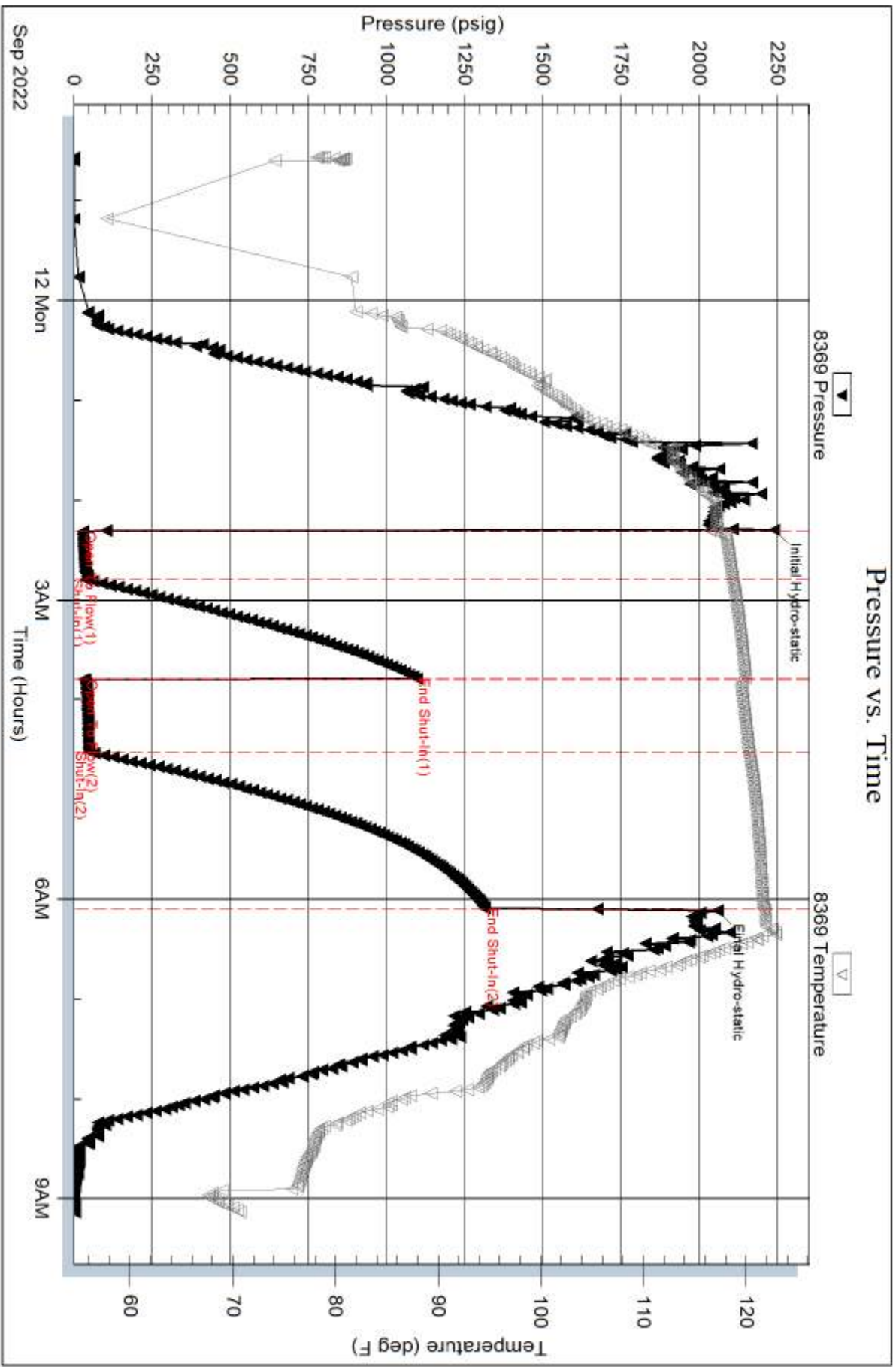
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	GOSM 5%G 95%M	0.320
0.00	2016' GIP	0.000

Total Length: 65.00 ft Total Volume: 0.320 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



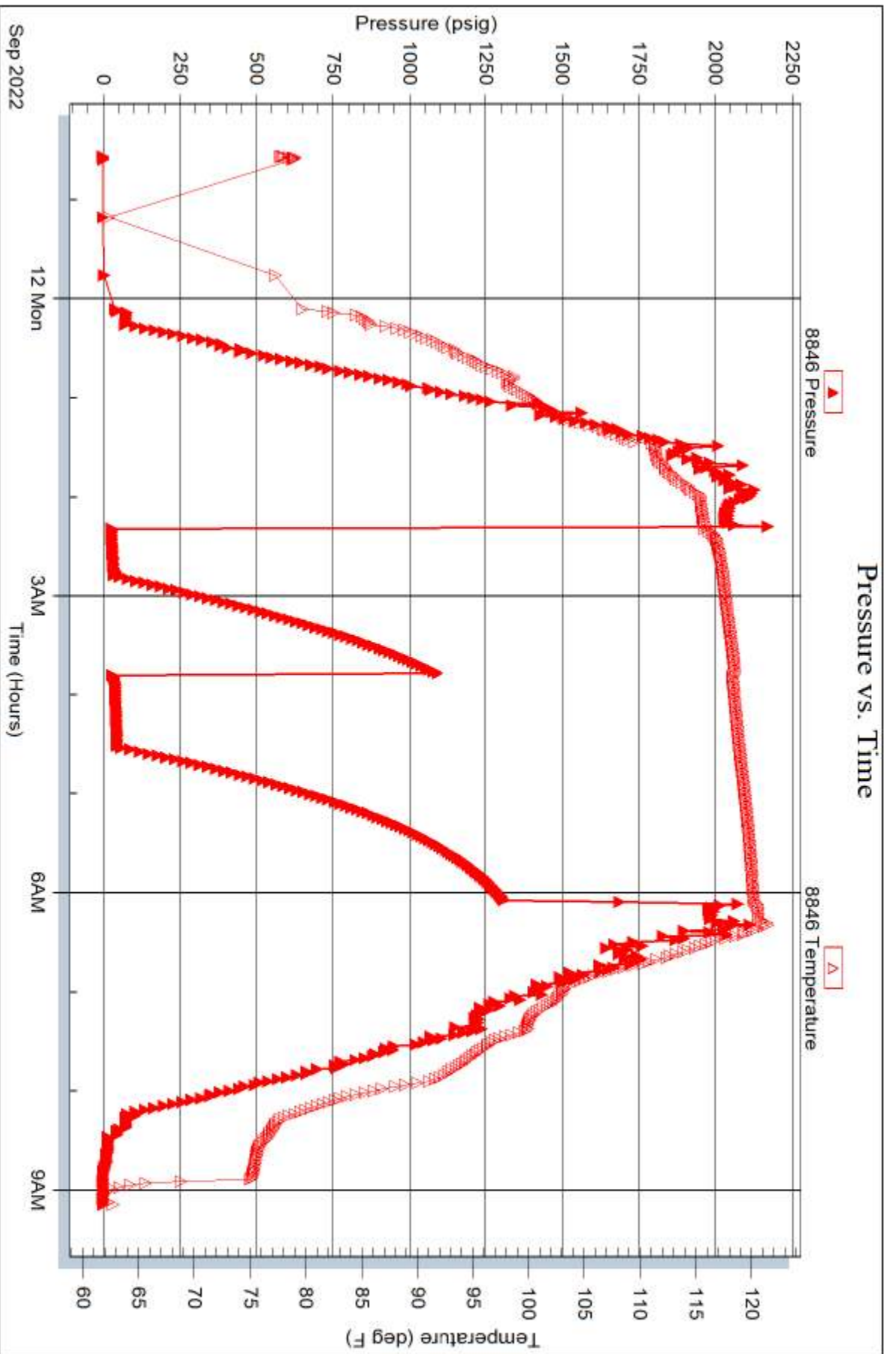
Serial #: 8846

Inside

Indian Oil Co. Inc.

Banks North #3

DST Test Number: 1



Geologic Report
Aaron L. Young

Drilling Time and Sample Log

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

Well Name: Banks North #3
API: 15-007-24440
Location: Section 36 - T30S - R12W
License Number: 31938
Spud Date: 09/07/2022
Surface Coordinates: 1512' FNL and 2180' FEL
Region: Barber Co., KS
Drilling Completed: 09/13/2022

Bottom Hole
Coordinates:
Ground Elevation (ft): 1673' K.B. Elevation (ft): 1681'
Logged Interval (ft): 3300' To: 4810' Total Depth (ft): 4810'
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: 100 S Main, Suite 505
Wichita, Kansas 67202

General Info

CONTRACTOR: Fossil Drilling Rig #5

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	RR	16-16-16	310'	310'	6.0
2	7-7/8	MI 616	15-15-15	3054'	2980'	38.75
3	7-7/8	MI 616	15-15-15	4810'	1756'	41.5

Surveys: 310'-1, 813'-.75, 1349'-.75, 1855'-.75, 2391'-1, 2928'-2, 3054'-1.25, 3401'-2.0, 3622'-1, 4127'-1.25, 4324'-2, 4810'-.5

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 8,000-10,000 lbs. on bit and approx 100-110 RPM.
Pumping approx 900-1000 psi at standpipe @ 58 SPM

Daily Status

09/06/22 MIRT. Spud at 7:59pm. Drilled 310'. Ran surface casing

09/07/22 WOC @ 310'

09/08/22 Drilling @ 1602'

09/09/22 Drilling @ 2801'

09/10/22 Drilling @ 3290'

09/11/22 Drilling @ 4070', DST #1

09/12/22 TIH with DST #1 @ 4324'

09/13/22 TOH for Logs. Ran 113 jts 5.5", set @ 4800', cem w/ 175 sks 60/40 poz mix, 25 sks for rat hole, 25 sks for mouse hole

DST #1 Mississippi

4264' - 4324'

30" - 60" - 45" - 90"

IF: Strong blow, built to 59.08"

ISI: No return

FF: Strong blow, built to 133.14"

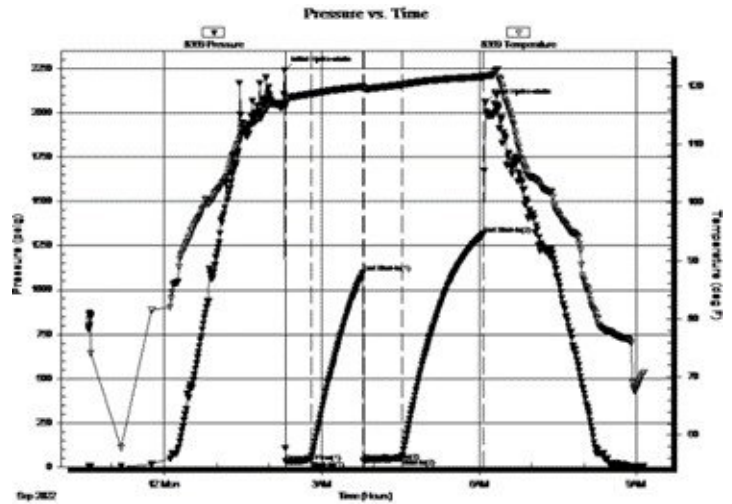
FSI: No return

Rec'd: 2016' GIP, 65' GOSM (5% G, 95% M)

SIP: 1096-1315#

FP: 29-38#, 33-49#

HP: 2241-2059#



ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Sltst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Sltstn
	Shlyslts
	Slysh
	Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

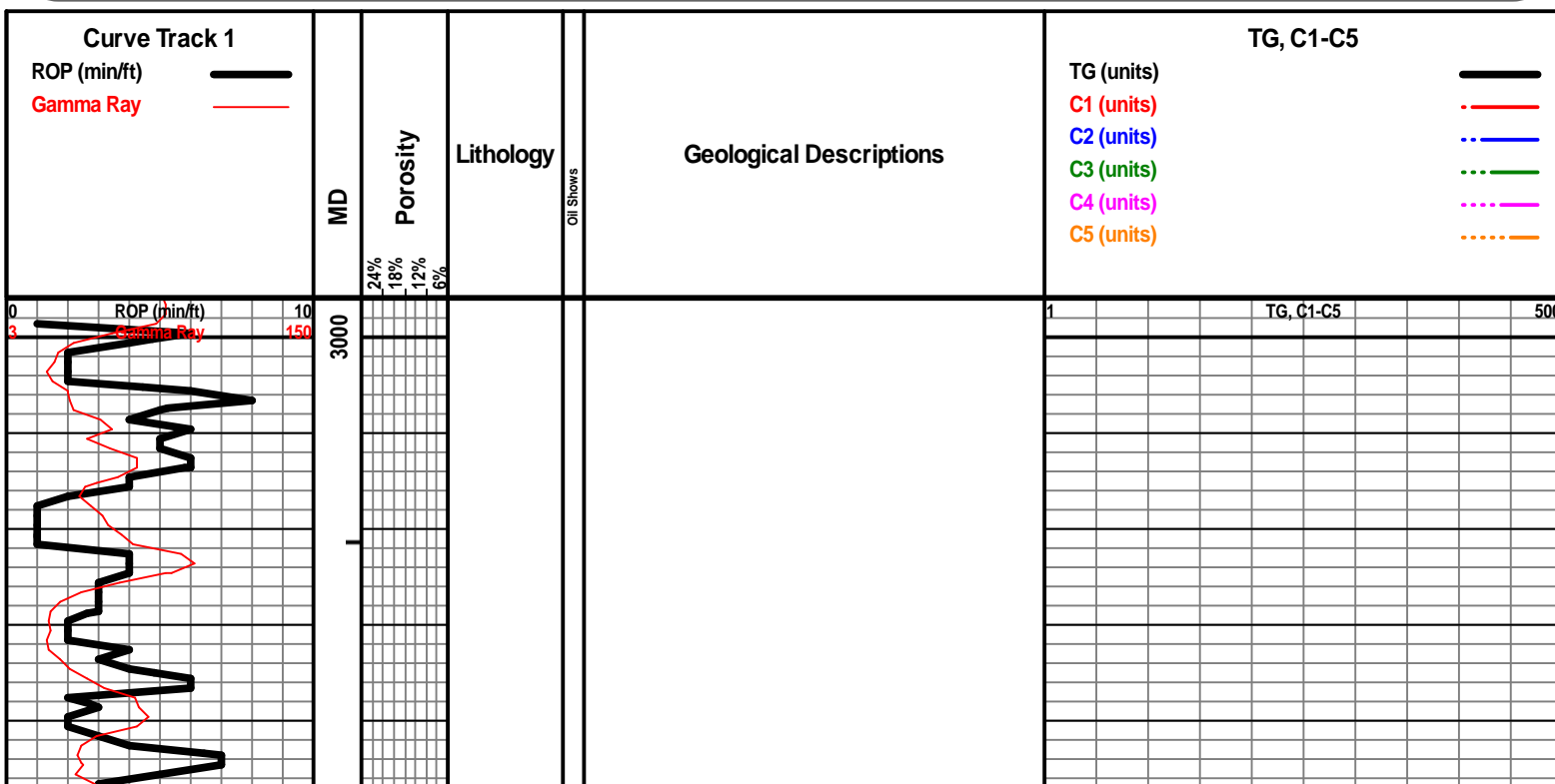
INTERVALS

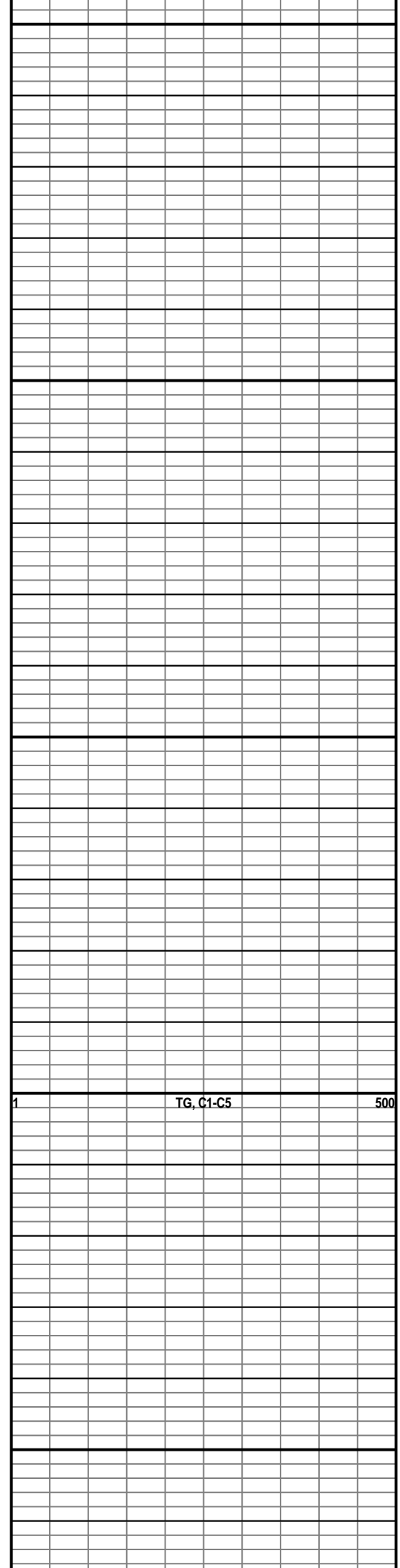
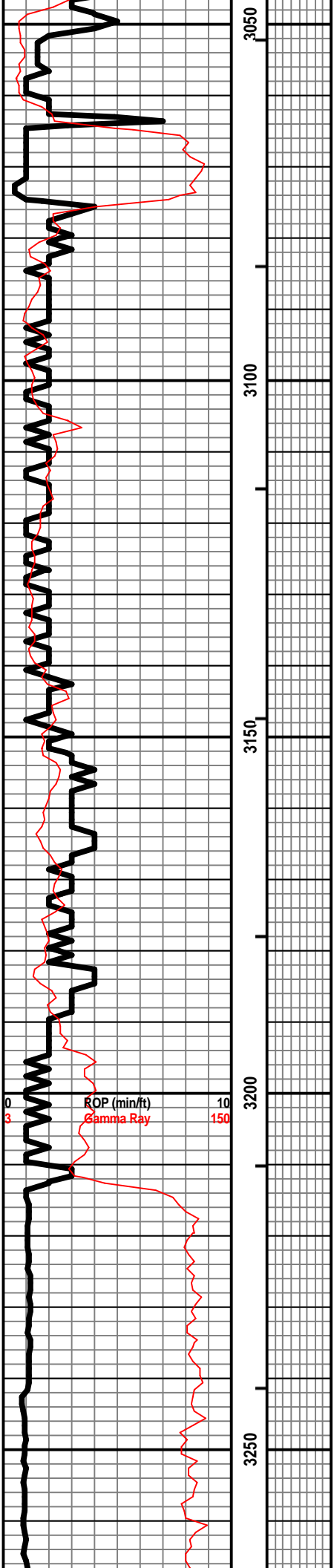
- Core
- Dst

- Dst

EVENTS

- Rft
- Sidewall
- Conn







3300
3350
3400
3450



SH - LT GY / GY, SLI SLTY

SH - LT GY / GRN, SLI SLTY IN PT, PYRITIC IN PT

SH - BLK, CARB, W/ SH - GY / GRN / RDISH-BRN

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

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

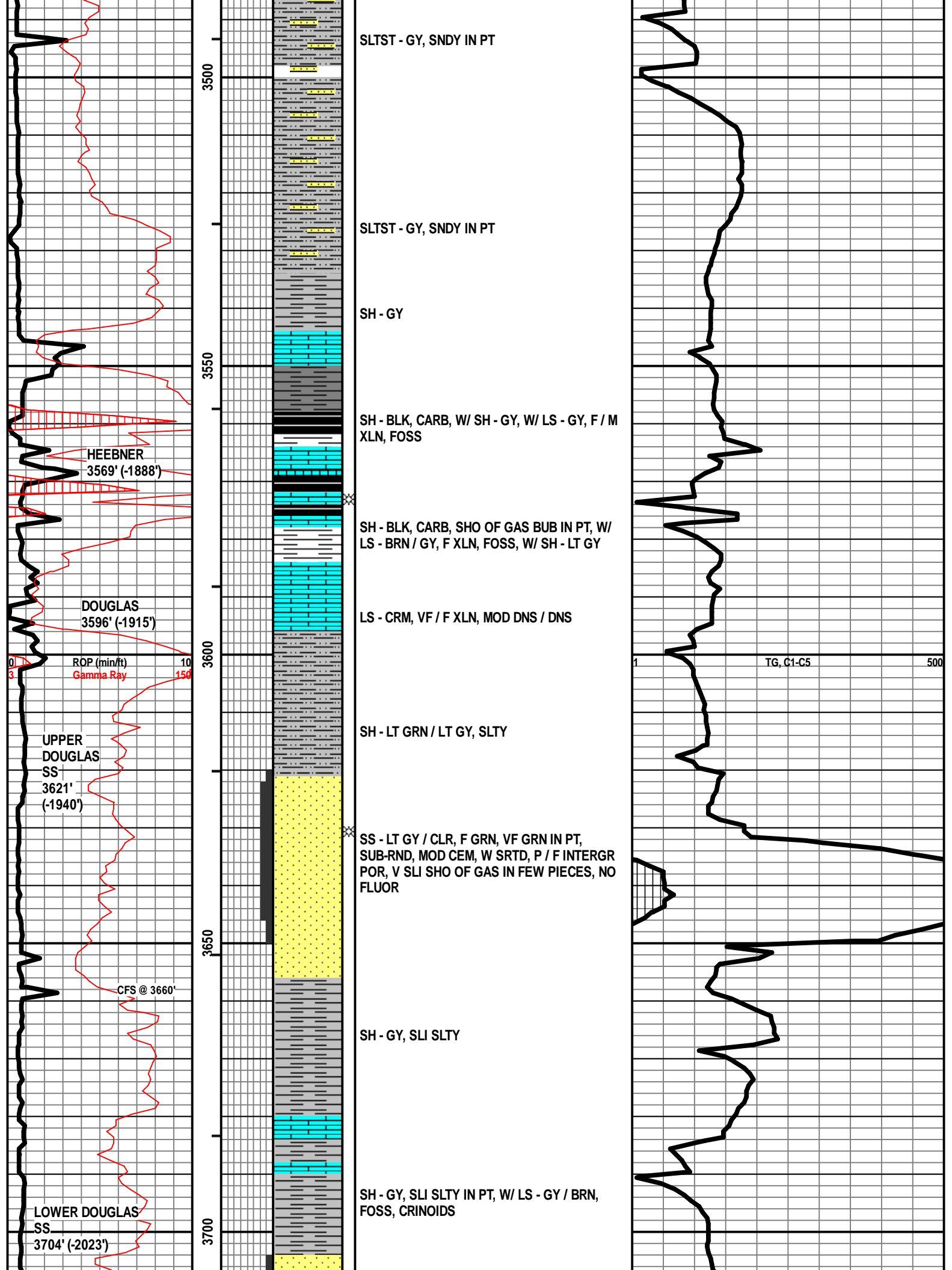
LS - CRM / TAN / GY, F XLN, MOD DNS / DNS, FOSS IN PT, W/ SH - PRED GY, GRN / RD IN PT

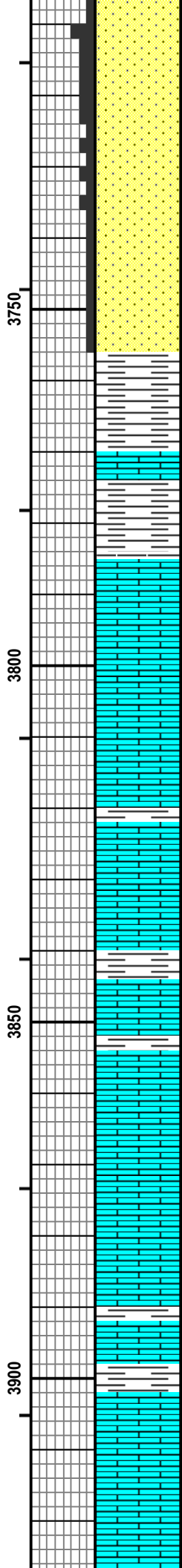
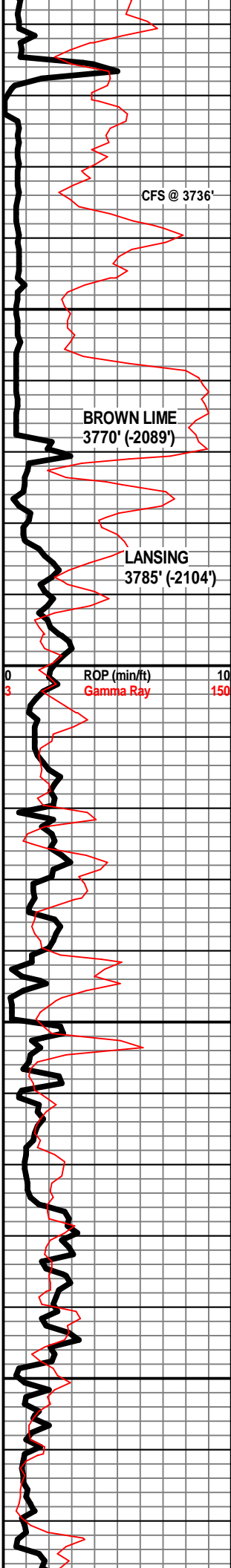
SLTY SH - GY / LT GY, SNDY IN PT, W/ LS - CRM / TAN, F / M XLN, MOD DNS / DNS, FOSS IN PT

SLTST - SNDY IN PT

SS - LT GY, F / M GR, SUB-ANG / SUB-RND, MOD SRD, P CEM, F INTERGR POR IN PT, SSFO IN FEW PIECES, V LT BRN OIL DROPLETS, SLI SHO OF GAS WHEN BRKN, MOD YEL-GRN FLUOR IN SHOW ROCKS

WT 8.6
VIS 57
LCM 2.5# TG, C1-C5 500





SS - CLR / LT GR, F GR, SUB-RND, W SRTD, P CEM, FRI IN PT, F / F INTERGR POR IN PT, VSSFO IN FEW PIECES, V LT BRN OIL DROPLETS, SLI SHO OF GAS, MOD YEL-GRN FLUOR IN SHO ROCKS

SS - LT GY, F GR, SUB-RND, MOD CEM, FRI IN PT, W SRTD, P INTERGR POR IN IN PT, NS, NO ODOR, NO FLUOR

LS - BRN, F / M XLN, V DNS, FOSS IN PT, W/ SH - PRED GY, GRN IN PT, MAR IN PT

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

LS - TAN, F / VF XLN, MOD DNS / SUBCHKY IN PT

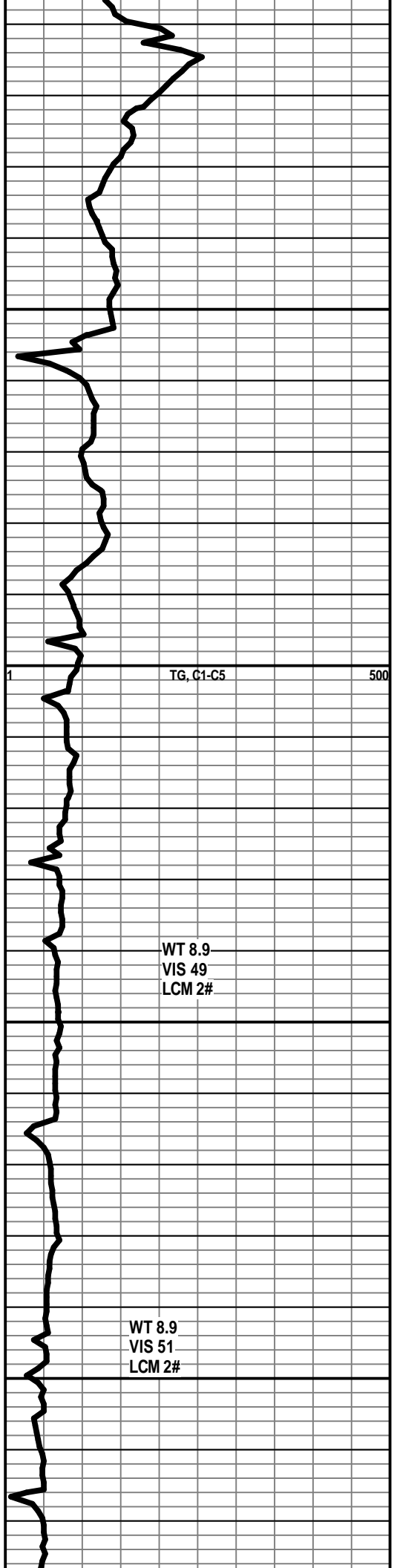
LS - TAN, F XLN, MOD DNS / DNS, FOSS IN PT

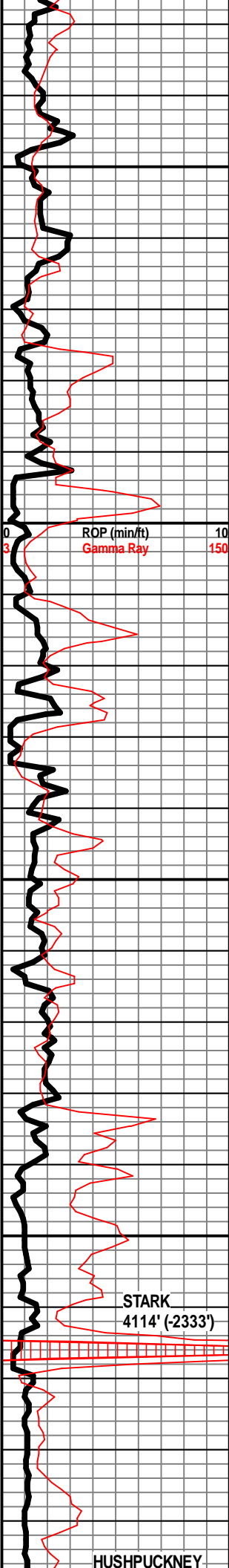
LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY, FOSS IN PT, W/ SCAT PIECES OF PYRITE

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

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

LS - TAN / GY, F / M XLN, DNS / V DNS, FOSS IN PT





3950

4000

4050

4100

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

LS - CRM / TAN, F / VF XLN, MOD DNS / SUBCHKY, ABUND OF FOSS IN PT

LS - TAN / CRM, VF / F XLN, MOD DNS, FOSS, W/ LS - WHT, V CHKY, W/ SH - GY

LS - BRN / TAN, F XLN, MOD DNS, P OOLMOLDIC POR IN PT, NS, DULL YEL-GRN MINERAL FLUOR

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

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

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

LS - CRM / TAN / GY, F XLN, MOD DNS / DNS, FOS, P OOLMOLDIC POR IN PT, NS, NO ODOR, W/ SH - LT GRN / LT GY

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

SH - BLK, CARB, W/ LS - CRM / TAN, F XLN, MOD DNS

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

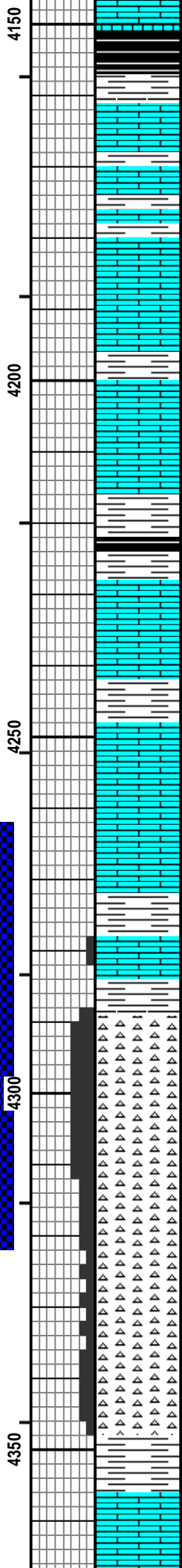
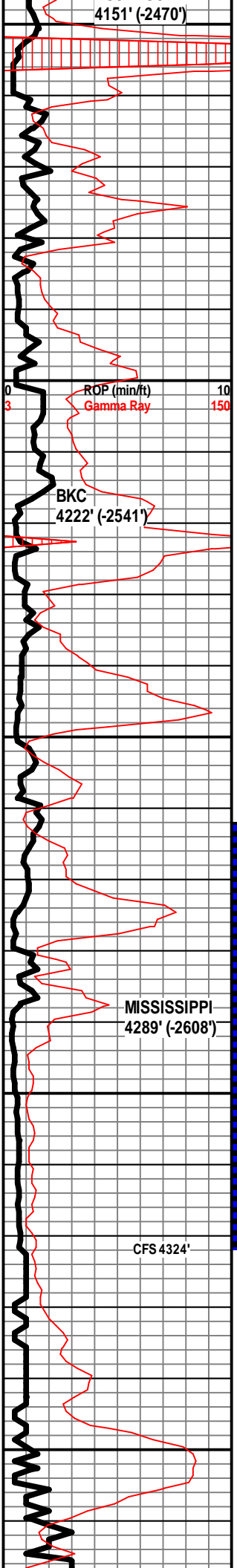
WT 9.0
VIS 50
LCM 2#

TG, C1-C5

500

STARK
4114' (-2333')

HUSHPUCKNEY



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

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

LS - GY / TAN, F / M XLN, MOD DNS / DNS,
FOSS, W/ SH - DK GY

SH - DK GY / BLK, CARB IN PT, W/ LS - GY /
TAN, F XLN, MOD DNS / DNS

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

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

LS - CRM / TAN, F / VF XLN, PRED MOD DNS, P
INTERXLN POR IN PT, SSFO, SLI ODOR, V SLI
FLUOR, W/ SH - GRN / MAR / GY

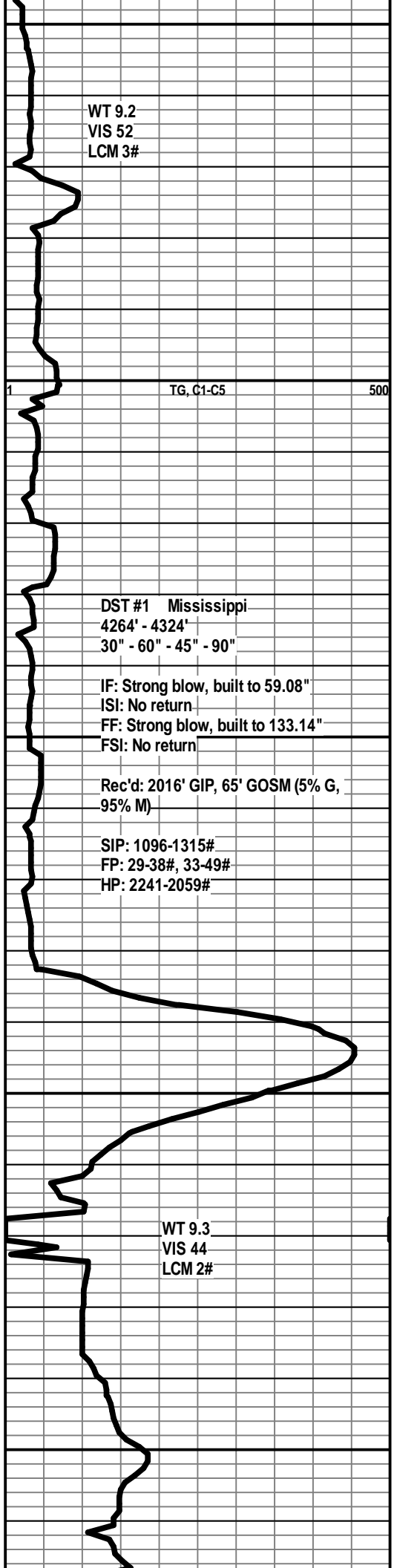
CHT - CRM / WHT / LT GY, 60% FRSH, 40%
WEATH, F / G WEATH POR, FOSS MOLD POR
IN PT, GSFO, LT BRN OIL DROPLETS, SLI SHO
OF GAS BUB, MOD YEL-GRN FLUOR IN SHO
ROCKS, SLI FLUOR FLUOR IN ALL CHT

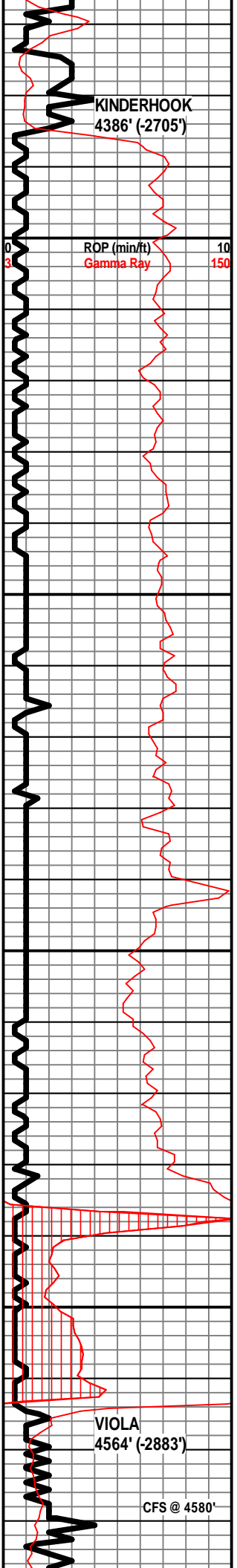
CHT - CRM / WHT, GY, 75% FRSH, 25% WEATH,
F / G WEATH POR, FSFO, SLI SHO OF GAS
BUB, MOD YEL-GRN FLUOR IN PT

CHT - WHT / LT GY, PRED OPAQ, PRED FRESH,
FEW WEATH PIECES, EDGE WEATH & POR IN
PT, SSFO, SLI ODOR, DULL YEL FLUOR IN SHO
ROCKS

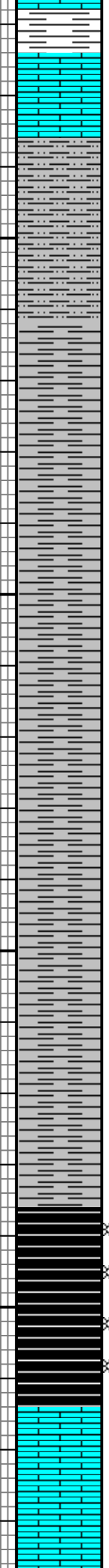
CHT - WHT / GY, PRED OPAQ, PRED FRSH,
ABUND OF EDGE WEATH POR, SSFO, ABUND
SAT EDGE STN, BRI YEL FLUOR IN SHO
ROCKS

LS - TAN / CRM, VF / F XLN, MOD DNS /
SUBCHKY





4400
4450
4500
4550



LS - TAN / LT BRN, F XLN, MOD DNS, W/ SH - TURQ / RDISH BRN

SH - GY / GRNISH-GY, SLTY IN PT

SH - GY, SLI SLTY

SH - GY / DK GY

SH - GY / DK GY

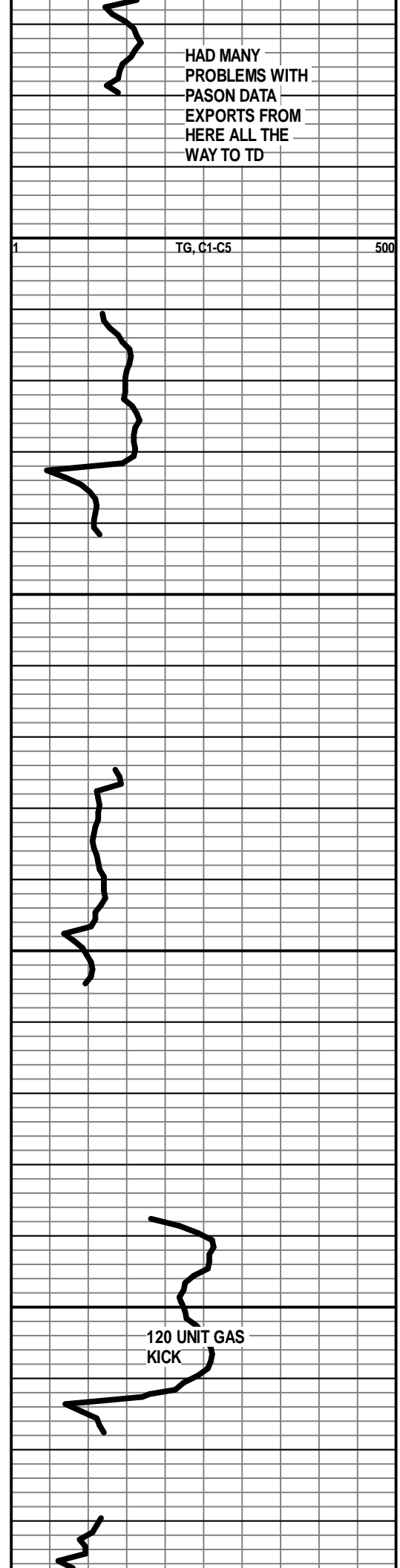
SH - GY / DK GY

SH - DK GY, LMY IN PT

SH - GY / DK GY, LMY IN PT

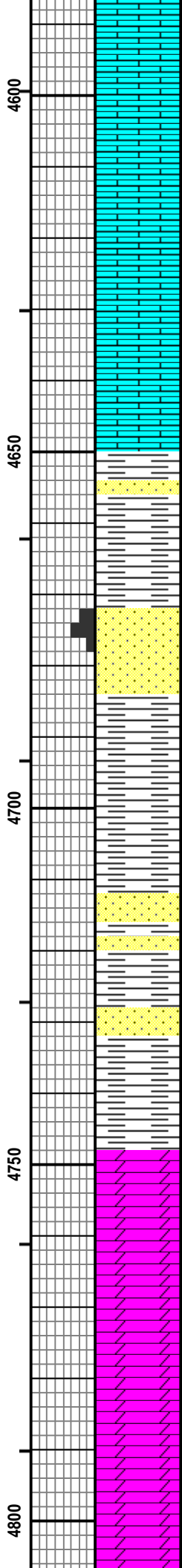
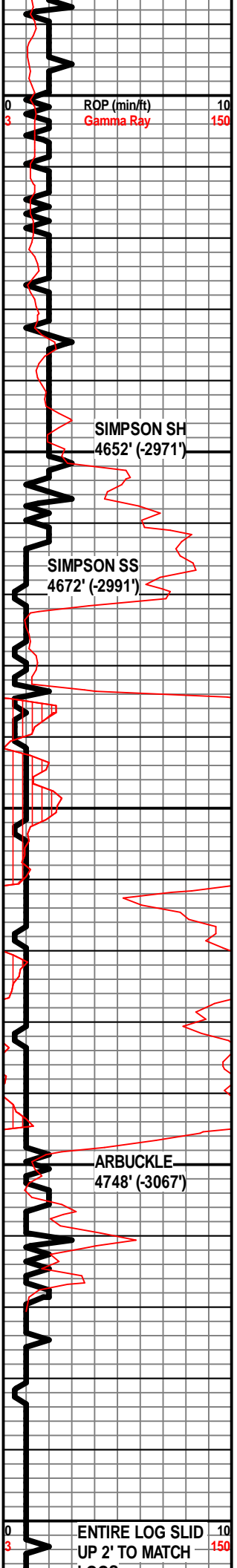
SH - BRNISH-BLK, CARB, V G SHOWS OF GAS BUB

LS - TAN / CRM, F XLN, MOD DNS, NO VIS POR, NO SHOWS, SLI MINERAL FLUOR IN FEW PIECES



HAD MANY PROBLEMS WITH PASON DATA EXPORTS FROM HERE ALL THE WAY TO TD

120 UNIT GAS KICK



LS - TAN / GY, F XLN, MOD DNS, SLI DOLOMITIC IN PT, PYRITIC IN PT, W/ SCAT CHT - DK TAN, OPAQ, FRSH, FOSS, BRI YEL-GRN MINERAL FLUOR

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

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

SH - TURQ / GRN / GY, SNDY IN PT, W/ SS - BRN / GY, VF GR, W SRTEG, MOD CRM, NO VIS POR, NS

SH - GRN, WAXY IN PT, SNDY IN PT, PYRITIC IN PT

SS - CLR, F / M GR, SUB-RND, W / MOD CEM, FRI IN FEW PIECES, P / F INTERGR POR IN PT, W/ SS - BRN, VF GR, V GLAUC, W CEM

SH - DK TAN / DK GRN / GY, SDY IN PT, PYRITIC IN PT

SH - GRN / GY, SNDY IN PT

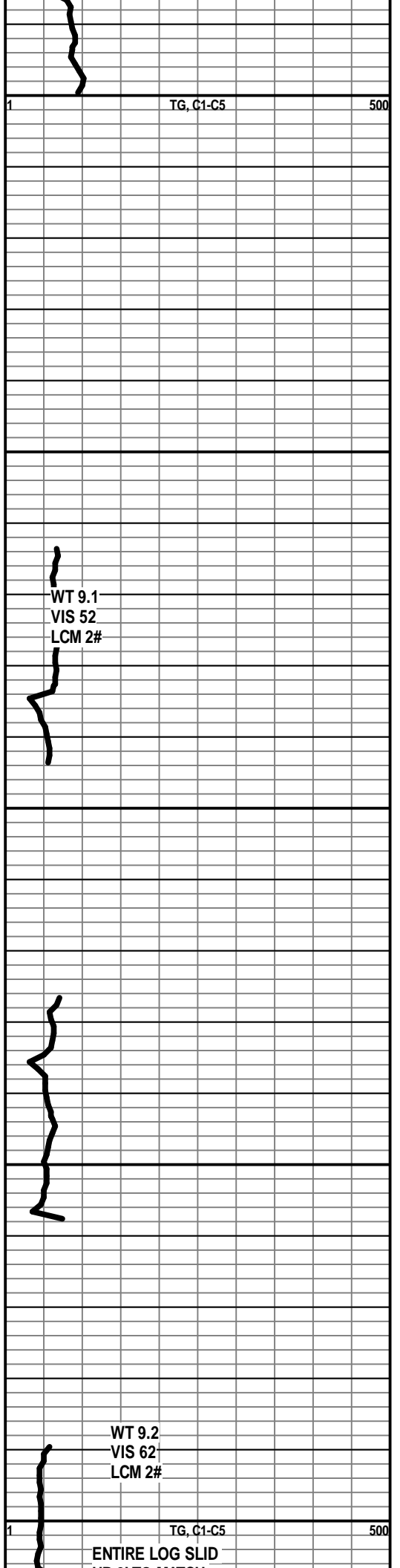
SH - DK BRN / GY, V SLI DOLOMITIC, DNS

DOLO - TAN / BRN IN PT, F XLN, SLI SUC, DNS / MOD DNS

DOLO - TAN, F XLN, MOD DNS / DSN, W/ DOLO - WHT, V CHKY

DOLO - TAN, F XLN, MOD DNS / DNS, FEW PIECES SUBCHKY

DOLO - TAN, F / M XLN, MOD DNS / DNS



ENTIRE LOG SLID UP 2' TO MATCH

ENTIRE LOG SLID

