

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
--	---

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
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone: 785-324-1041 fax: 785-483-1087
Email: cementing@russell.net

Date: 4/12/2024
Invoice # 3925

P.O.#:

Due Date: 5/12/2024
Division: Russell

Invoice

Contact:
Staab Oil Company
Address/Job Location:

1607 Hope Well Rd
Hays Ks 67601

PAID

ENTERED

Reference:
DINKEL 3 SEC 25-13-21

Description of Work:
SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item
Labor		\$ 900.03	No	
Common-Class A	120	\$ 2,493.88	Yes	
Calcium Chloride	6	\$ 338.95	Yes	
POZ Mix Standard	30	\$ 211.84	Yes	
Pump Truck Mileage-Job to Nearest Camp	50	\$ 226.97	No	
Bulk Truck Mileage-Job to Nearest Bulk Plant	50	\$ 175.54	No	
Bulk Truck Mat-Material Service Charge	150	\$ 160.36	No	
Premium Gel (Bentonite)	3	\$ 87.75	Yes	

Quantity Price Taxable

Invoice Terms:

Net 30

SubTotal: \$ 4,596.17

Discount Available ONLY if Invoice is Paid & Received
within listed terms of invoice: \$ (114.90)

SubTotal for Taxable Items: \$ 3,053.93

SubTotal for Non-Taxable Items: \$ 1,427.33

Total: \$ 4,481.27

Tax: \$ 229.04

7.50% Trego County Sales Tax

Amount Due: \$ 4,710.31

Applied Payments:

Balance Due: \$ 4,710.31

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
©2008-2013 Sraiker Investments, LLC. All rights reserved.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. 4065

Cell 785-324-1041

Date	4-19-24	Sec. 25	Twp. 13	Range 21	County TREGO	State KS	On Location	Finish
------	---------	---------	---------	----------	--------------	----------	-------------	--------

Location Ellis 453W

Lease	Dinkle	Well No.	3	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Discovery			Charge To	STAAD Oil
Type Job	Long string	T.D.	4055	Street	
Hole Size	7 7/8	Depth		City	State
Csg. 5 1/2 #14		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	4500 QMDC 4 FLO
Tool		Depth		Meas Line	Displace 98.66
Cement Left in Csg. 10.44		Shoe Joint	10.44	1500 Com 10% Salt 590 Gil.	

EQUIPMENT

Pumptrk	No.	Cementor	Bill	Common	150
		Helper		Poz. Mix	4500 QMDC
Bulktrk	No.	Driver	Tim	Gel.	
		Driver		Calcium	
Bulktrk	No.	Driver	Joe Daus	Hulls	
		Driver			

JOB SERVICES & REMARKS

Remarks:	Salt	13
Rat Hole 30	Flowseal	100#
Mouse Hole 15	Kol-Seal	750#
Centralizers	Mud CLR	48
Baskets	CFL-117 or CD110 CAF	38
D/V or Port Collar	Sand	
Set 4054	Handling	620
Shoe Jt 10.44	Mileage	

FLOAT EQUIPMENT

Insert 4043.56	Guide Shoe	
Cement 4054 QMDC	Centralizer	- 9
Flw 1500 Com	Baskets	- 5
pump plug w 98.66 bbls	AFU Inserts	
Land plug c 1500#	Float Shoe	- 1
Cement Did Cir.	Latch Down	- 1

Pumptrk Charge prod string
Mileage 50

X Signature Staad Oil Co Todd Staad

Thanks

Tax
Discount
Total Charge



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co
1607 Hopewell Rd.
Hyas, KS 67601
ATTN: Janel Staab

25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71787 **DST#: 1**
Test Start: 2024.04.16 @ 17:15:00

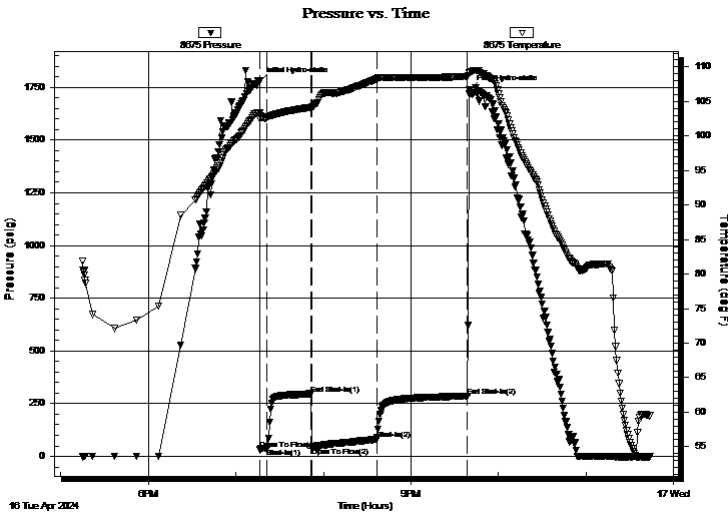
GENERAL INFORMATION:

Formation: **LKC D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:16:45
Time Test Ended: 23:43:45
Interval: **3676.00 ft (KB) To 3722.00 ft (KB) (TVD)**
Total Depth: 3722.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2338.00 ft (KB)
2330.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8675 Outside
Press@RunDepth: 80.53 psig @ 3677.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.04.16 End Date: 2024.04.16 Last Calib.: 1899.12.30
Start Time: 17:15:05 End Time: 23:43:44 Time On Btm: 2024.04.16 @ 19:16:30
Time Off Btm: 2024.04.16 @ 21:40:15

TEST COMMENT: IF-5- Built to 4.16"(tool slid 4', lost 10' mud
SI1-30- No return
FF-45- BOB in 30 min, built to 18.39"
SI2-60- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.60	103.31	Initial Hydro-static
1	35.06	102.54	Open To Flow (1)
5	39.54	102.71	Shut-In(1)
35	296.75	104.14	End Shut-In(1)
36	41.20	104.05	Open To Flow (2)
80	80.53	108.30	Shut-In(2)
143	285.54	108.62	End Shut-In(2)
144	1738.52	109.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGOCM 8% gas 2% oil 25% water 65%	0.57
65.00	GSOCM 10% gas 5% oil 85% mud	0.91
10.00	SOCM 5% oil 95% mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co
1607 Hopewell Rd.
Hyas. KS 67601
ATTN: Janel Staab

25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71787 **DST#: 1**
Test Start: 2024.04.16 @ 17:15:00

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:	19500 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SGOCM 8% gas 2% oil 25% water 65% mud	0.568
65.00	GSOCM 10% gas 5% oil 85% mud	0.912
10.00	SOCM 5% oil 95% mud	0.140

Total Length: 135.00 ft Total Volume: 1.620 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2# LCM

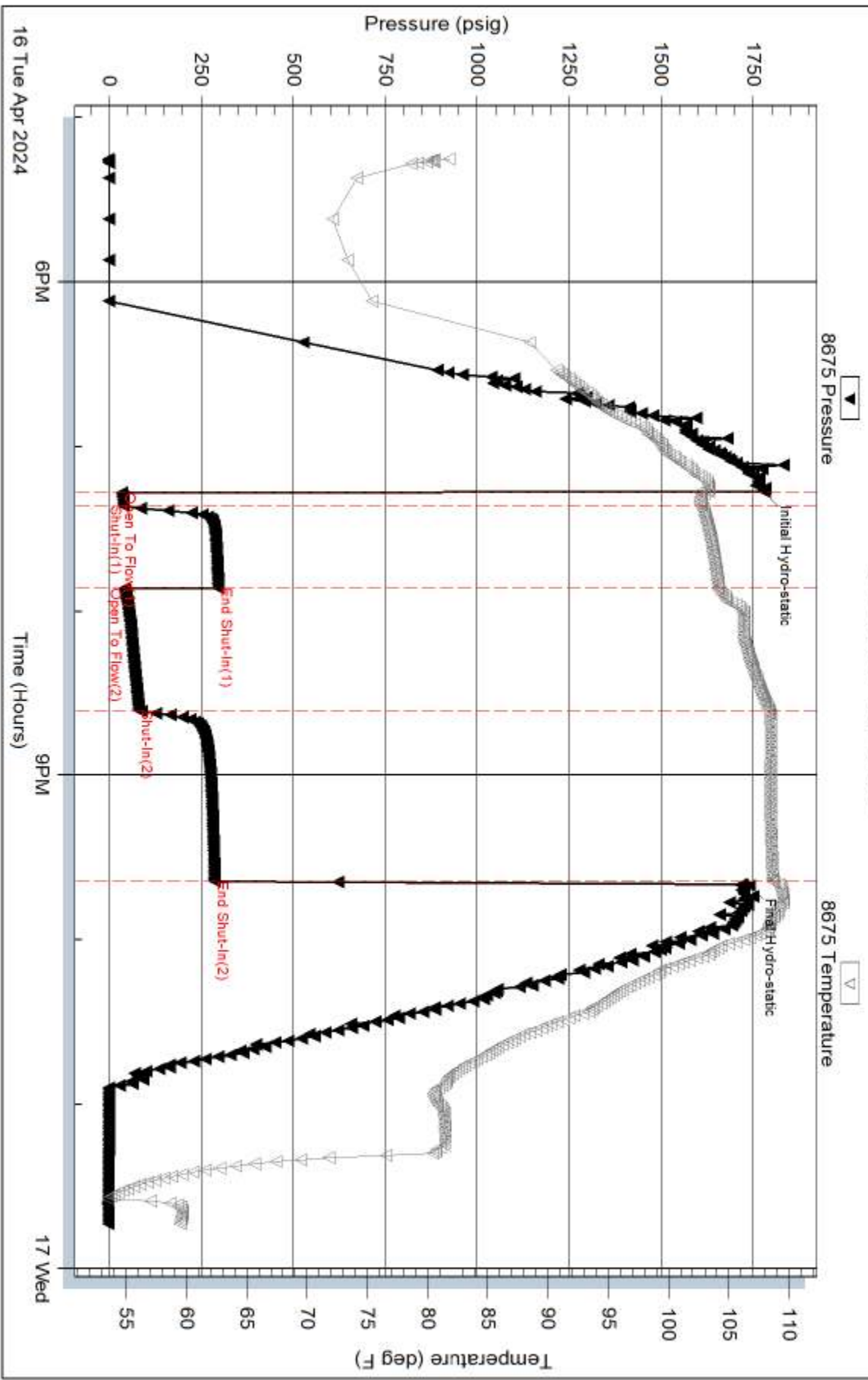
Serial #: 8675

Outside Staab Oil Co

Dinkel #3

DST Test Number: 1

Pressure vs. Time

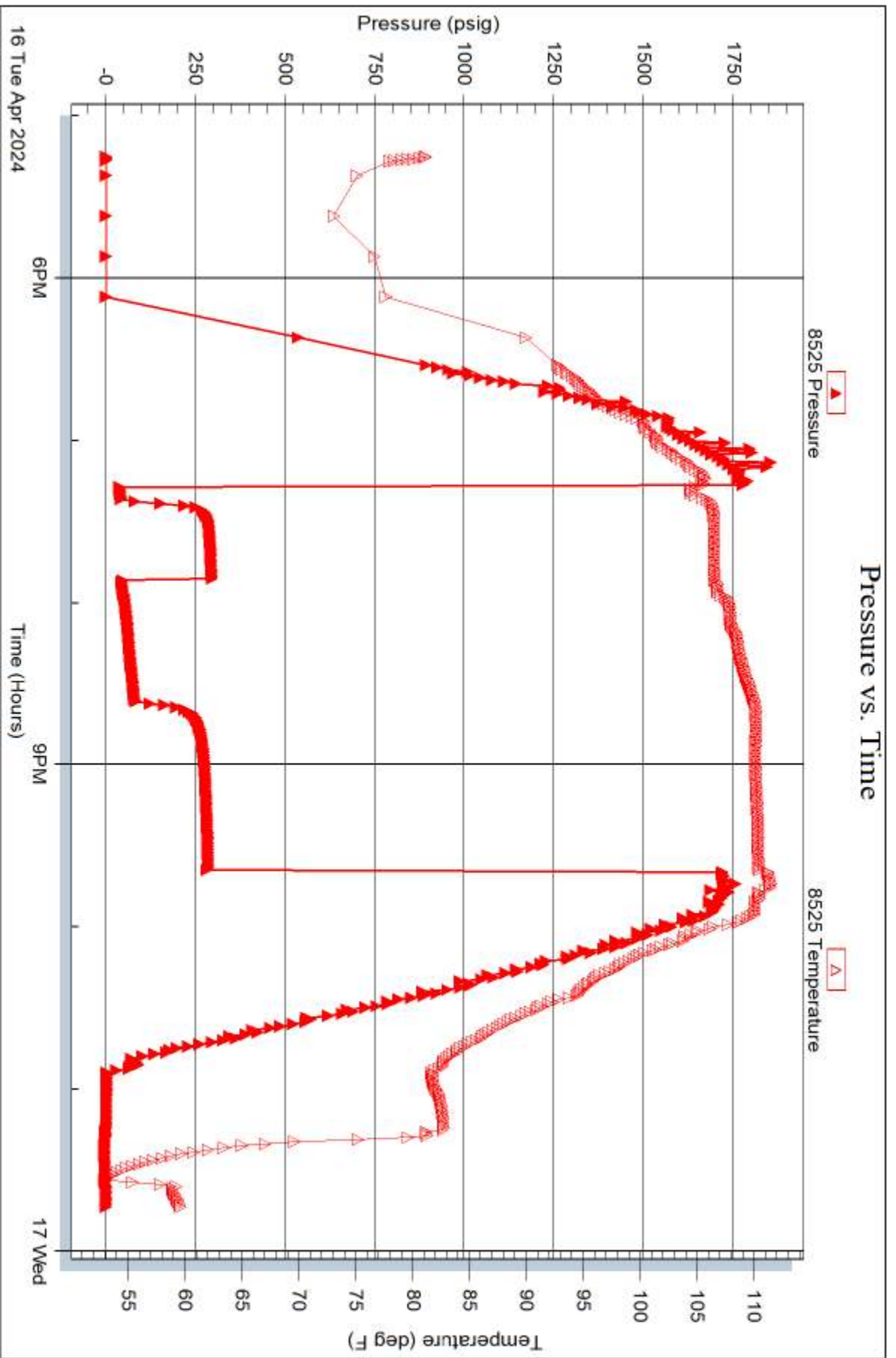


Serial #: 8525

Staab Oil Co

Dinkel #3

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 71787

Printed: 2024.04.17 @ 07:26:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co
1607 Hopewell Rd.
Hyas, KS 67601
ATTN: Janel Staab

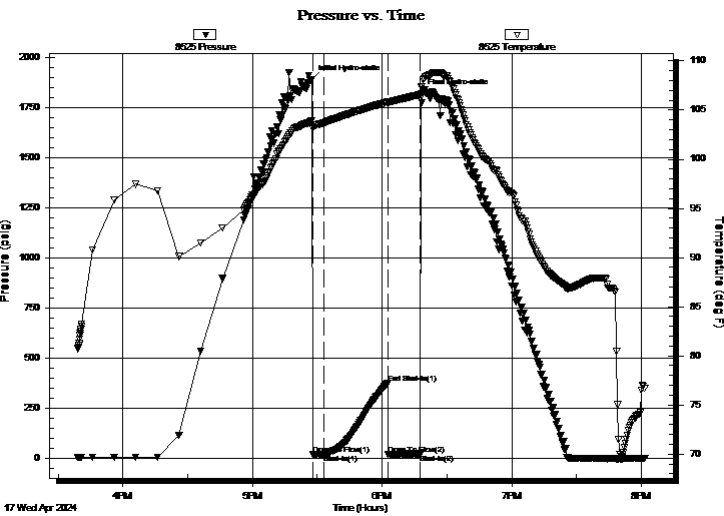
25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71788 **DST#: 2**
Test Start: 2024.04.17 @ 15:39:00

GENERAL INFORMATION:

Formation: **LKC I-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:28:00
Time Test Ended: 20:01:30
Interval: **3809.00 ft (KB) To 3848.00 ft (KB) (TVD)**
Total Depth: 3848.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Reset)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2338.00 ft (KB)
2330.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8525 Inside
Press@RunDepth: 20.20 psig @ 3810.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.04.17 End Date: 2024.04.17 Last Calib.: 2024.04.17
Start Time: 15:39:05 End Time: 20:01:29 Time On Btm: 2024.04.17 @ 17:27:30
Time Off Btm: 2024.04.17 @ 18:18:00

TEST COMMENT: IF-5- WSB
SI1-30- No return
FF-15- No blow
Pull tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.79	103.92	Initial Hydro-static
1	19.74	103.13	Open To Flow (1)
6	20.20	103.72	Shut-In(1)
35	375.35	105.81	End Shut-In(1)
36	20.63	105.74	Open To Flow (2)
51	22.43	106.59	Shut-In(2)
51	1817.87	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% (oil spots in tool)	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co
1607 Hopewell Rd.
Hyas. KS 67601
ATTN: Janel Staab

25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71788 **DST#: 2**
Test Start: 2024.04.17 @ 15:39:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% (oil spots in tool)	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2# LCM

Serial #: 8525

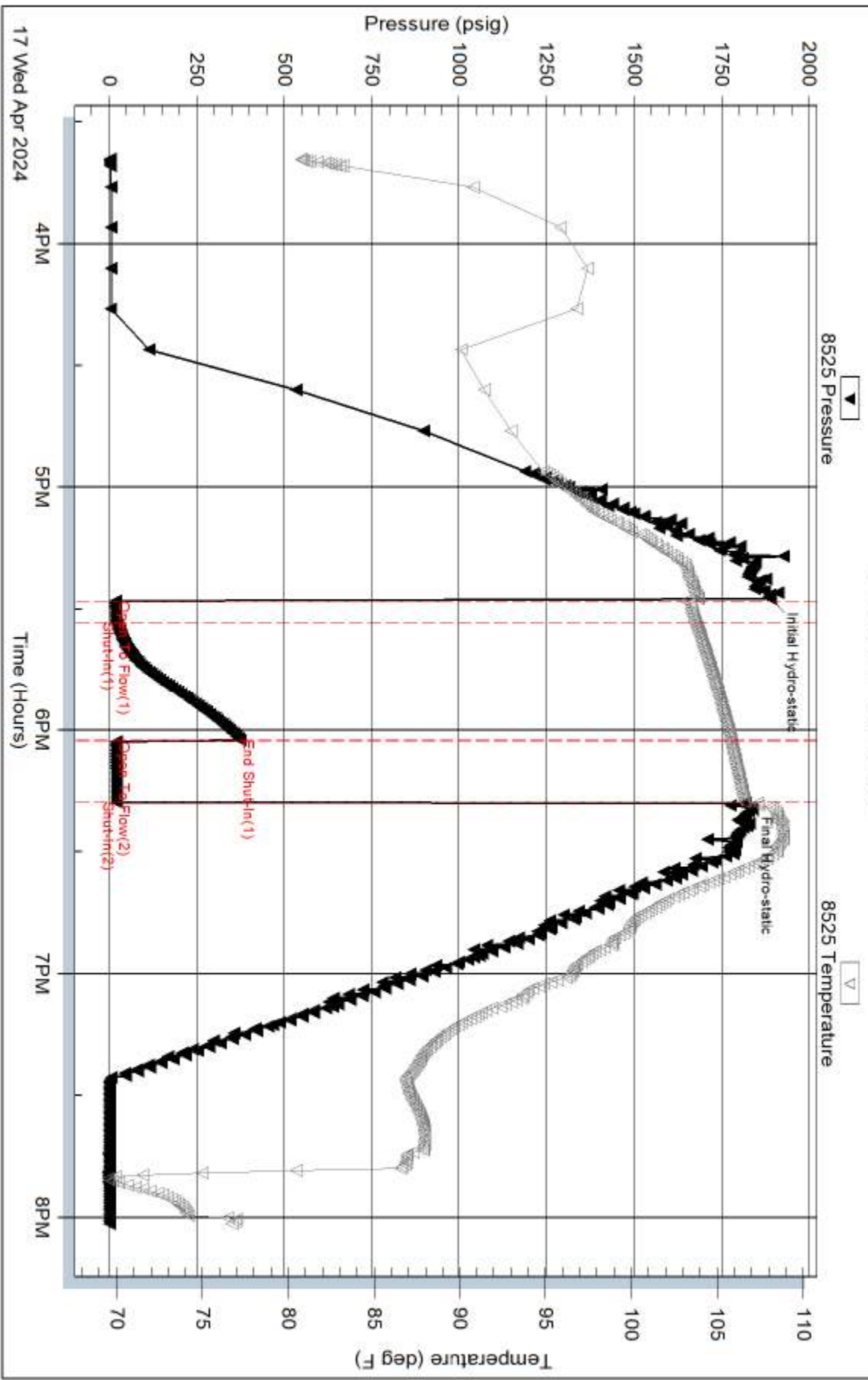
Inside

Staab Oil Co

Dinkel #3

DST Test Number: 2

Pressure vs. Time



17 Wed Apr 2024

Trilobite Testing, Inc

Ref. No: 71788

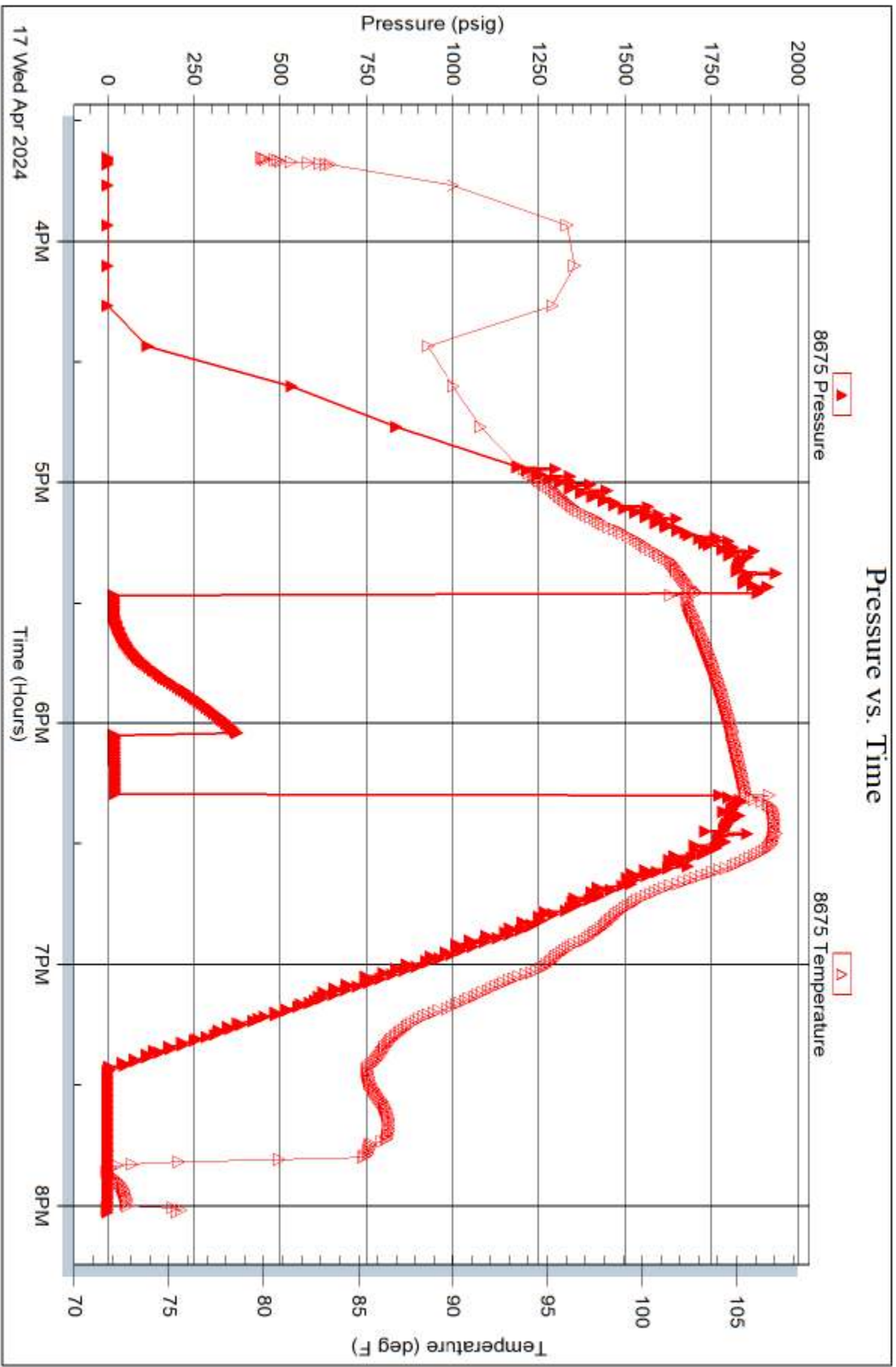
Printed: 2024.04.17 @ 21:34:08

Serial #: 8675

Outside Staab Oil Co

Dinkel #3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 71788

Printed: 2024.04.17 @ 21:34:08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co
1607 Hopewell Rd.
Hyas. KS 67601
ATTN: Janel Staab

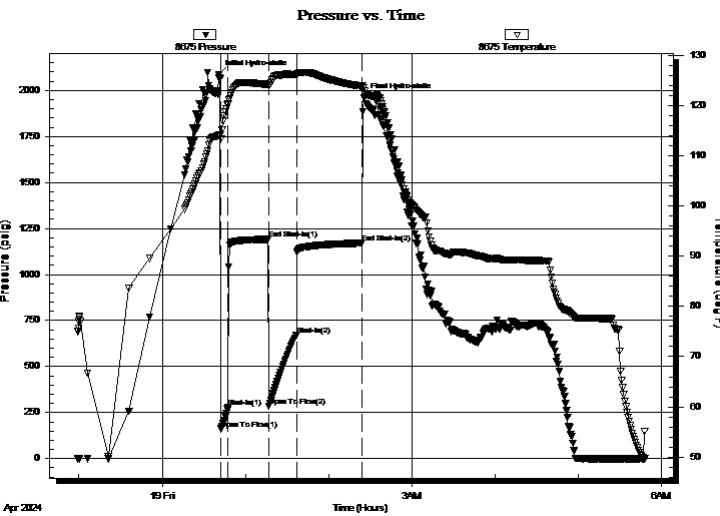
25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71789 **DST#: 3**
Test Start: 2024.04.18 @ 22:59:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:42:30
Time Test Ended: 05:47:45
Interval: **4018.00 ft (KB) To 4037.00 ft (KB) (TVD)**
Total Depth: 4055.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Straddle (Reset)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2338.00 ft (KB)
2330.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8675 Outside
Press@RunDepth: 670.07 psig @ 4019.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.04.18 End Date: 2024.04.19 Last Calib.: 2024.04.19
Start Time: 22:59:05 End Time: 05:47:44 Time On Btm: 2024.04.19 @ 00:40:45
Time Off Btm: 2024.04.19 @ 02:25:15

TEST COMMENT: IF-5- BOB in 1 min, built to 63.75"
SI1-30- BOB in 21 min, built to 14.76"
FF-20- BOB immediatly, from 14.76", built to 232.74"
SI2-45- Built to 5.86", died to 5.26"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2084.33	114.05	Initial Hydro-static
2	161.32	113.44	Open To Flow (1)
7	276.79	120.42	Shut-In(1)
36	1191.63	124.17	End Shut-In(1)
37	285.02	123.85	Open To Flow (2)
56	670.07	126.11	Shut-In(2)
103	1170.80	123.82	End Shut-In(2)
105	1961.58	123.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1624.00	GO 30% Gas 70% oil	22.51
125.00	GOWCM 30% gas 25% oil 10% water	351.75
0.00	665'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co
1607 Hopewell Rd.
Hyas, KS 67601
ATTN: Janel Staab

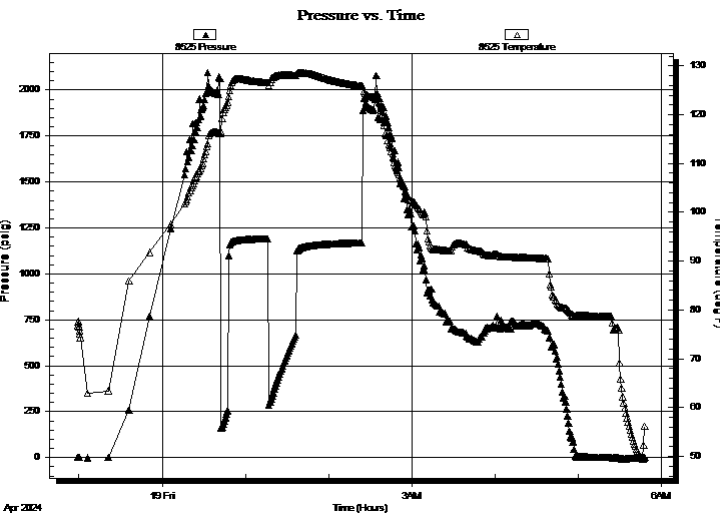
25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71789 **DST#: 3**
Test Start: 2024.04.18 @ 22:59:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 00:42:30 Tester: Dustin Day
Time Test Ended: 05:47:45 Unit No: 70
Interval: 4018.00 ft (KB) To 4037.00 ft (KB) (TVD) Reference Elevations: 2338.00 ft (KB)
Total Depth: 4055.00 ft (KB) (TVD) 2330.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8525 **Inside**
Press@RunDepth: psig @ 4019.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.04.18 End Date: 2024.04.19 Last Calib.: 2024.04.19
Start Time: 22:59:05 End Time: 05:47:44 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-5- BOB in 1 min, built to 63.75"
SI1-30- BOB in 21 min, built to 14.76"
FF-20- BOB immediatly, from 14.76", built to 232.74"
SI2-45- Built to 5.86", died to 5.26"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1624.00	GO 30% Gas 70% oil	22.51
125.00	GOWCM 30% gas 25% oil 10% water	351.75
0.00	665'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Staab Oil Co
 1607 Hopewell Rd.
 Hyas, KS 67601
 ATTN: Janel Staab

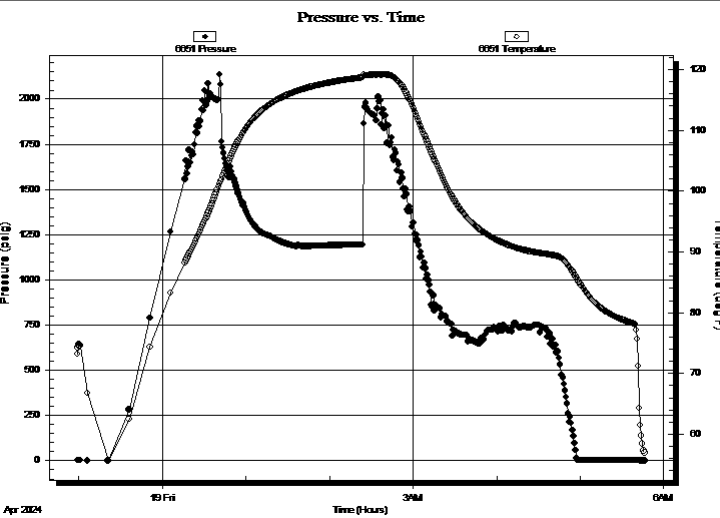
25-13S-21W Trego, KS
Dinkel #3
 Job Ticket: 71789 **DST#: 3**
 Test Start: 2024.04.18 @ 22:59:00

GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:42:30
 Time Test Ended: 05:47:45
 Interval: **4018.00 ft (KB) To 4037.00 ft (KB) (TVD)**
 Total Depth: 4055.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Straddle (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2338.00 ft (KB)
 2330.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6651 Below (Straddle)
 Press@RunDepth: psig @ 4053.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2024.04.18 End Date: 2024.04.19 Last Calib.: 2024.04.19
 Start Time: 22:59:05 End Time: 05:46:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-5- BOB in 1 min, built to 63.75"
 SI1-30- BOB in 21 min, built to 14.76"
 FF-20- BOB immediatly, from 14.76", built to 232.74"
 SI2-45- Built to 5.86", died to 5.26"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1624.00	GO 30% Gas 70% oil	22.51
125.00	GOWCM 30% gas 25% oil 10% water	351.75
0.00	665'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co
1607 Hopewell Rd.
Hyas. KS 67601
ATTN: Janel Staab

25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71789 **DST#: 3**
Test Start: 2024.04.18 @ 22:59:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 15000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.00 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8700.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1624.00	GO 30% Gas 70% oil	22.507
125.00	GOWCM 30% gas 25% oil 10% water 35% m	1.753
0.00	665'GIP	0.000

Total Length: 1749.00 ft Total Volume: 24.260 bbl

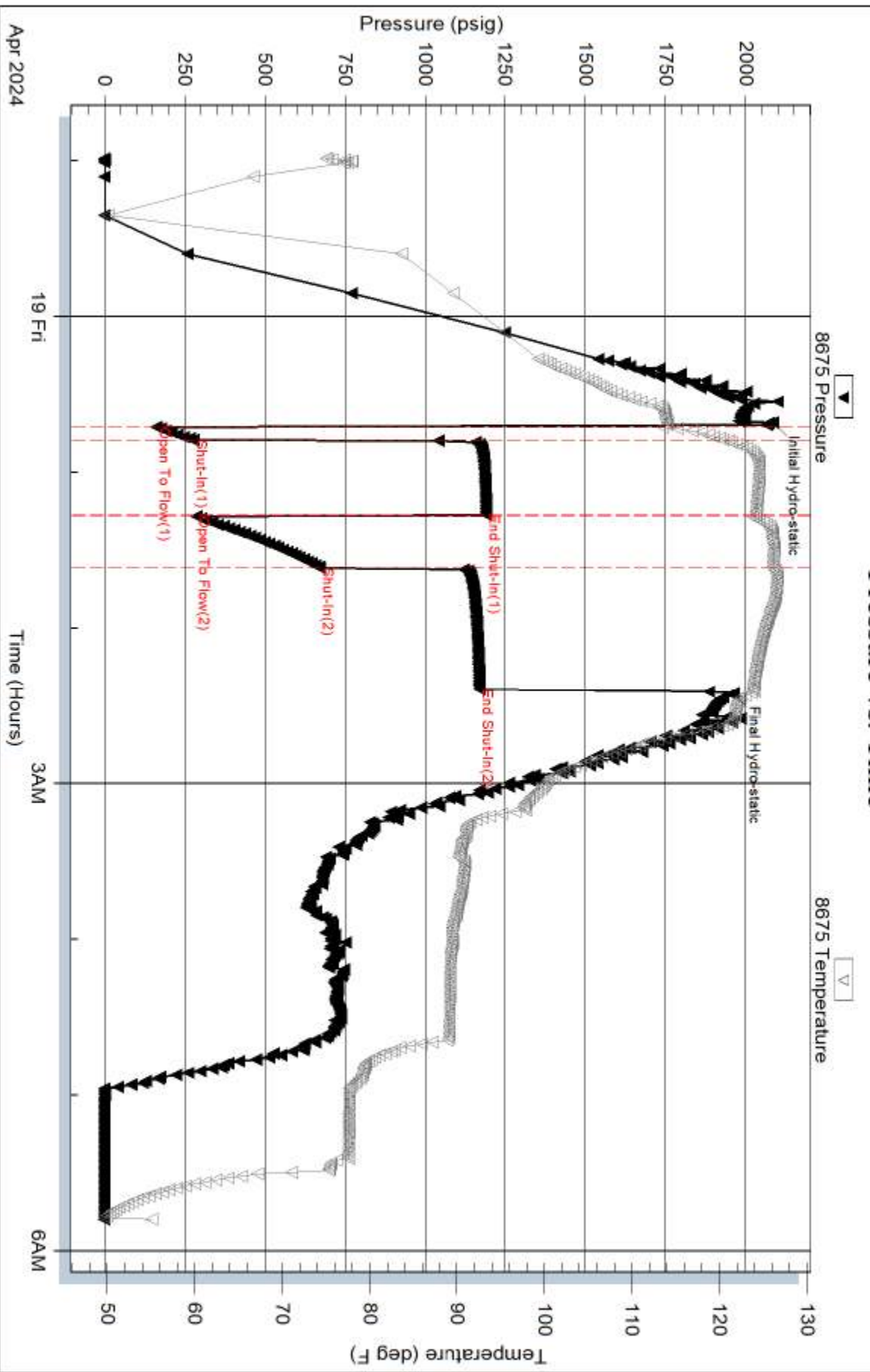
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 1# LCM

Dropped bar after dumping 5 stands of fluid. Caught samples while reversing, 20% gas 70% oil 10% mud

Pressure vs. Time



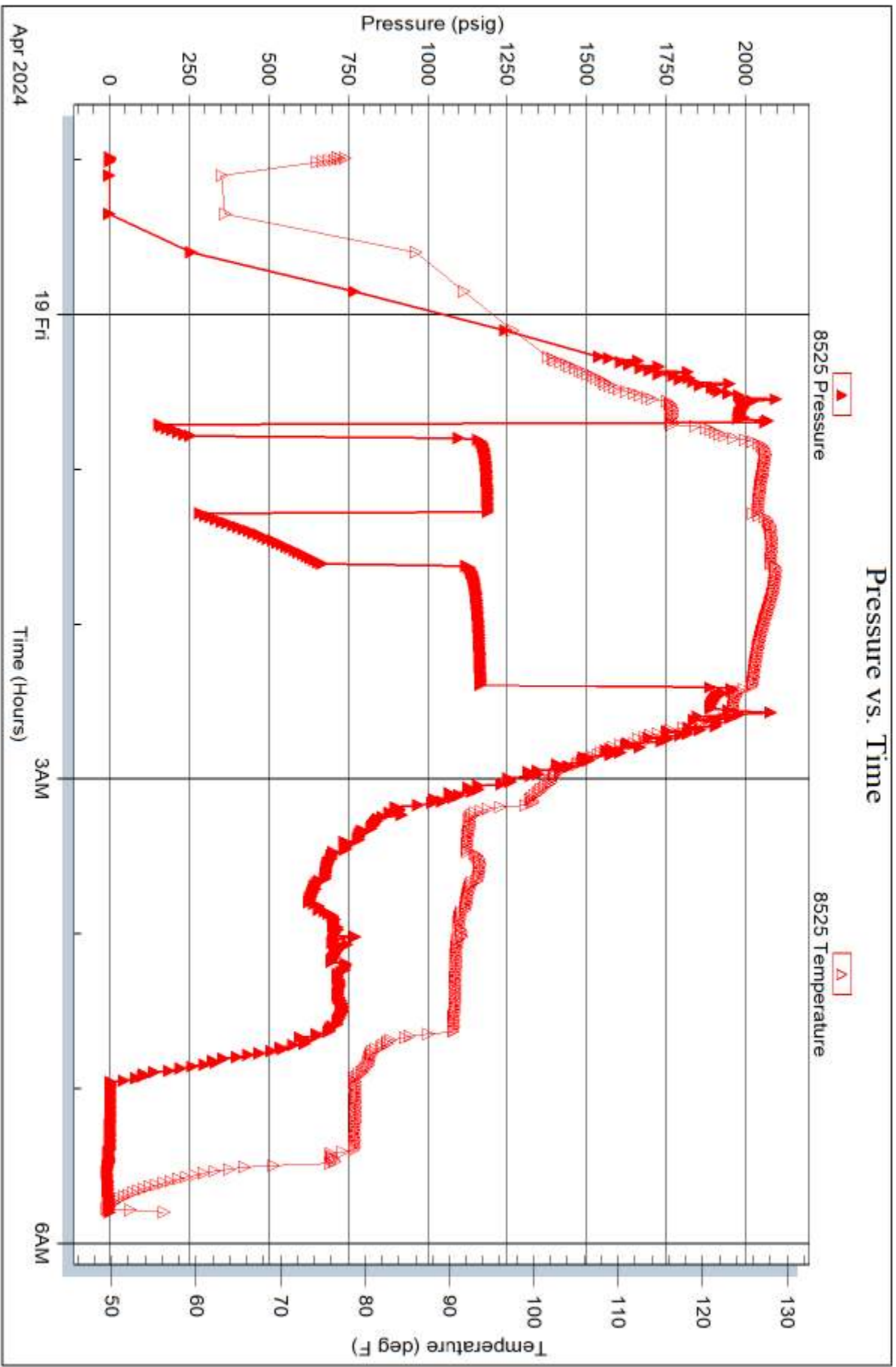
Serial #: 8525

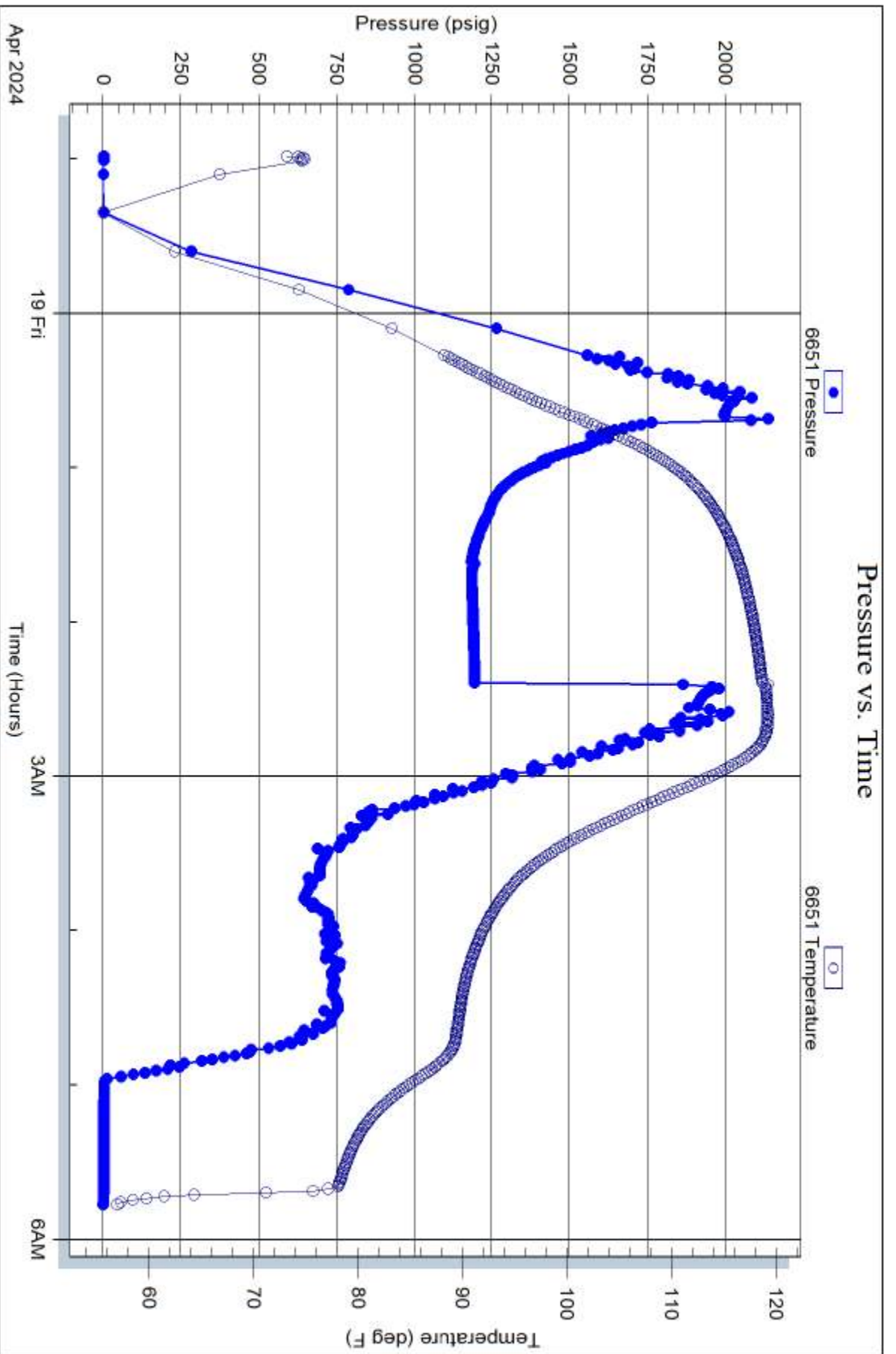
Inside

Staab Oil Co

Dinkel #3

DST Test Number: 3





OPERATOR

Company: STAAB OIL COMPANY
 Address: 1607 HOPEWELL ROAD
 HAYS, KANSAS 67601

Contact Geologist: JANEL STAAB
 Contact Phone Nbr: 785-625-5013
 Well Name: DINKEL #
 Location: N-NE-SW SEC25, T13S, R21W
 API: 15-195-23171-00-00
 Pool:
 State: KANSAS

Field: FfLAX
 Country: USA

Scale 1:240 Imperial

Well Name: DINKEL #
 Surface Location: N-NE-SW SEC25, T13S, R21W
 Bottom Location:
 API: 15-195-23171-00-00
 License Number: 6037
 Spud Date: 4/12/2024 Time: 8:00 AM
 Region:
 Drilling Completed: 4/18/2024 Time: 12:30 PM
 Surface Coordinates: 2310' FSL & 1650' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2330.00ft
 K.B. Elevation: 2338.00ft
 Logged Interval: 3200.00ft To: 4056.00ft
 Total Depth: 4055.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: Chemical

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 2310' FSL
 E/W Co-ord: 1650' FWL

LOGGED BY

Company: JANEL STAAB CONSULTING PETROLEUM GEOLOGIST
 Address: 2428 Toulon Avenue
 HAYS, KS 67601

Phone Nbr: (785) 635-1660
 Logged By: Geologist

Name: JANEL STAAB

CONTRACTOR

Contractor: DISCOVERY DRILLING # 31548
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 4/12/2024
 TD Date: 4/18/2024
 Rig Release: 4/19/2024

Time: 8:00 AM
 Time: 12:30 PM
 Time: 7:30 PM

ELEVATIONS

K.B. Elevation: 2338.00ft
 K.B. to Ground: 8.00ft

Ground Elevation: 2330.00ft

NOTES**FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY****FORMATION**

Anhydrite

SAMPLE TOP

/ +

LOG TOP**COMPARISON - DINKEL #2 (STAAB OIL CO)**

+661

Amlydite	/ +	/ +	+618	+601
Base				
Topeka	3360' / -1022	3361' / -1023		-1024
Heebner Shale	3598' / -1260	3598' / -1260		-1262
Toronto	3617' / -1279	3617' / -1279		-1280
LKC	3633' / -1295	3633' / -1295		-1298
BKC	3882' / -1544	3882' / -1544		-1548
Maarmaton	3951' / -1613	3951' / 1613		-1612
Conglomerate	4006' / -1668	4005' / -1667		
Arbuckle	4037' / -1699			-1666
T.D.	4055' / -1717	4056' / -1718		-1687

DATE: 7:00 A.M. DEPTH RIG ACTIVITY

4-11-24	0'	M.I.R.U.
4-12-24	0'	SPUD @ 8:00 AM
4-13-24	1145'	Drilling Sh., Ls, Slstn
4-14-24	2445'	Drilling Sh & Ls
4-15-24	3025'	Drilling Sh & Ls
4-16-24	3645	Drilling Lkc Ls
4-17-24	3780'	Drilling Ls and Sh
4-18-24	3975'	Drilling Marmaton
4-19-24	4055'	DST #3

COMPLETED - 6:30 PM / RIG RELEASED @7:30 PM


MUD RECORD MUD-CO /SERVICE MUD INC. GARY SCHMIDTBERGER

CHK	DEPTH	WT	VIS	FIL	CHL	YP	LCM
1.	1075'	8.7	27	NC	925	1	0
2.	2429'	9.7	28	NC	31,000	1	0
3.	2998'	9.8	29	NC	37,000	1	0
4.	3631'	8.8	47	6.0	6,000	20	2
5.	3767'	9.0	54	6.0	8,700	25	2
6.	3952'	9.2	54	6.0	8,700	24	1
7.	4055'	RTD					

BIT RECORD

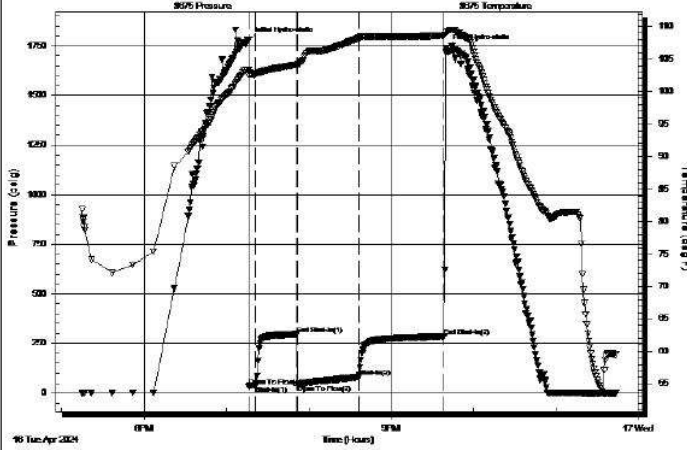
NO.	SIZE	MAKE	DEPTHOUT	FEET	HRS
1.	2.25		232'	232'	
2.	7.88		4055'	3823'	87 1/4

DRILL STEM TEST #1 LKC D-E 3676'-3722'

	DRILL STEM TEST REPORT	
	Staab Oil Co 1607 Hopewell Rd. Hyas. KS 67601 ATTN: Janel Staab	25-13S-21W Trego, KS Dinkel #3 Job Ticket: 71787 DST#: 1 Test Start: 2024.04.16 @ 17:15:00
GENERAL INFORMATION:		
Formation: LKC D-F Deviated: No Whipstock: ft (KB) Time Tool Opened: 19:16:45 Time Test Ended: 23:43:45 Interval: 3676.00 ft (KB) To 3722.00 ft (KB) (TVD) Total Depth: 3722.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition:	Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Day Unit No: 70 Reference Elevations: 2338.00 ft (KB) 2330.00 ft (CF) KB to GR/CF: 8.00 ft	
Serial #: 8675 Outside Press@RunDepth: 80.53 psig @ 3677.00 ft (KB) Start Date: 2024.04.16 End Date: 2024.04.16 Start Time: 17:15:05 End Time: 23:43:44	Capacity: 8000.00 psig Last Calib.: 1899.12.30 Time On Btm: 2024.04.16 @ 19:16:30 Time Off Btm: 2024.04.16 @ 21:40:15	
TEST COMMENT: IF-5- Built to 4.16"(tool slid 4', lost 10' mud S11-30- No return FF-45- BOB in 30 min, built to 18.39" S12-60- No return		

Pressure vs. Time

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.60	103.31	Initial Hydro-static
1	35.06	102.54	Open To Flow (1)
5	39.54	102.71	Shut-In(1)
35	296.75	104.14	End Shut-In(1)
36	41.20	104.05	Open To Flow (2)
80	80.53	108.30	Shut-In(2)
143	285.54	108.62	End Shut-In(2)
144	1738.52	109.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGOCM 8% gas 2% oil 25% water 65% mud	0.57
65.00	GSOCM 10% gas 5% oil 85% mud	0.91
10.00	SOCM 5% oil 95% mud	0.14

Gas Rates

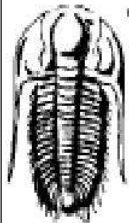
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 71787

Printed: 2024.04.17 @ 07:26:21

DRILL STEM TEST #2 LKC I-J 3809' - 3848'



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Staab Oil Co

25-13S-21W Trego, KS

1607 Hopewell Rd.
Hyas, KS 67601

Dinkel #3

ATTN: Janel Staab

Job Ticket: 71788

DST#: 2

Test Start: 2024.04.17 @ 15:39:00

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:28:00

Time Test Ended: 20:01:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3809.00 ft (KB) To 3848.00 ft (KB) (TVD)**

Reference Elevations: 2338.00 ft (KB)

Total Depth: 3848.00 ft (KB) (TVD)

2330.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8525 Inside

Press@RunDepth: 20.20 psig @ 3810.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.04.17

End Date: 2024.04.17

Last Calib.: 2024.04.17

Start Time: 15:39:05

End Time: 20:01:29

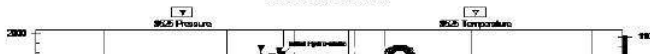
Time On Btm: 2024.04.17 @ 17:27:30

Time Off Btm: 2024.04.17 @ 18:18:00

TEST COMMENT:

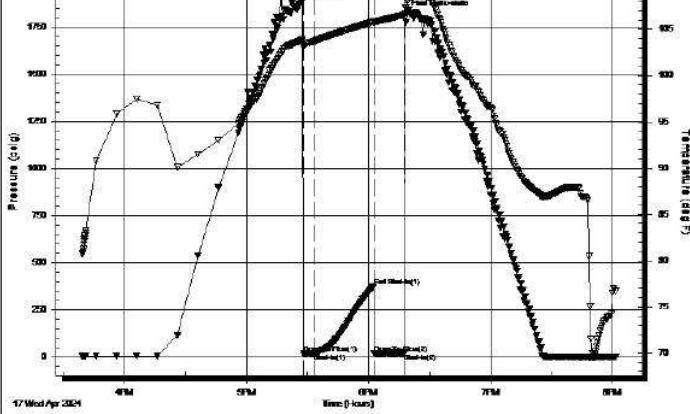
IF-5- WSB
SI1-30- No return
FF-15- No blow
Pull tool

Pressure vs. Time



PRESSURE SUMMARY

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



(min.)	(psig)	(deg F)	
0	1890.79	103.92	Initial Hydro-static
1	19.74	103.13	Open To Flow (1)
6	20.20	103.72	Shut-In(1)
35	375.35	105.81	End Shut-In(1)
36	20.63	105.74	Open To Flow (2)
51	22.43	106.59	Shut-In(2)
51	1817.87	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% (oil spots in tool)	0.01

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 71788

Printed: 2024.04.17 @ 21:34:07

DRILL STEM TEST #3 CONGLOMERATE 4018'-4037'



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Staab Oil Co
1607 Hopewell Rd.
Hyas. KS 67601
ATTN: Janel Staab

25-13S-21W Trego, KS
Dinkel #3
Job Ticket: 71789 **DST#: 3**
Test Start: 2024.04.18 @ 22:59:00

GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:42:30
 Time Test Ended: 05:47:45
 Test Type: Conventional Straddle (Reset)
 Tester: Dustin Day
 Unit No: 70
 Interval: **4018.00 ft (KB) To 4037.00 ft (KB) (TVD)**
 Total Depth: 4055.00 ft (KB) (TVD)
 Reference Elevations: 2338.00 ft (KB)
 2330.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8675 **Outside**
 Press@RunDepth: 670.07 psig @ 4019.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2024.04.18 End Date: 2024.04.19 Last Calib.: 2024.04.19
 Start Time: 22:59:05 End Time: 05:47:44 Time On Btm: 2024.04.19 @ 00:40:45
 Time Off Btm: 2024.04.19 @ 02:25:15

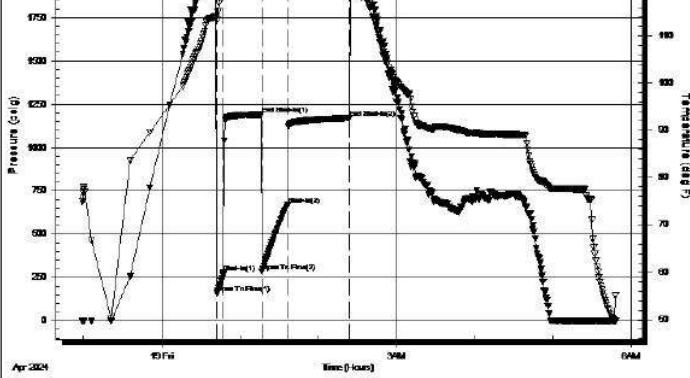
TEST COMMENT: IF-5- BOB in 1 min, built to 63.75"
 SI1-30- BOB in 21 min, built to 14.76"
 FF-20- BOB immediatly, from 14.76", built to 232.74"
 SI2-45- Built to 5.86", died to 5.26"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2084.33	114.05	Initial Hydro-static



2	161.32	113.44	Open To Flow (1)
7	276.79	120.42	Shut-In(1)
36	1191.63	124.17	End Shut-In(1)
37	285.02	123.85	Open To Flow (2)
56	670.07	126.11	Shut-In(2)
103	1170.80	123.82	End Shut-In(2)
105	1961.58	123.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1624.00	GO 30% Gas 70% oil	22.51
125.00	GOWCM 30% gas 25% oil 10% water 35% 1.75 rd	
0.00	665'GIP	0.00

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 71789

Printed: 2024.04.19 @ 07:16:54

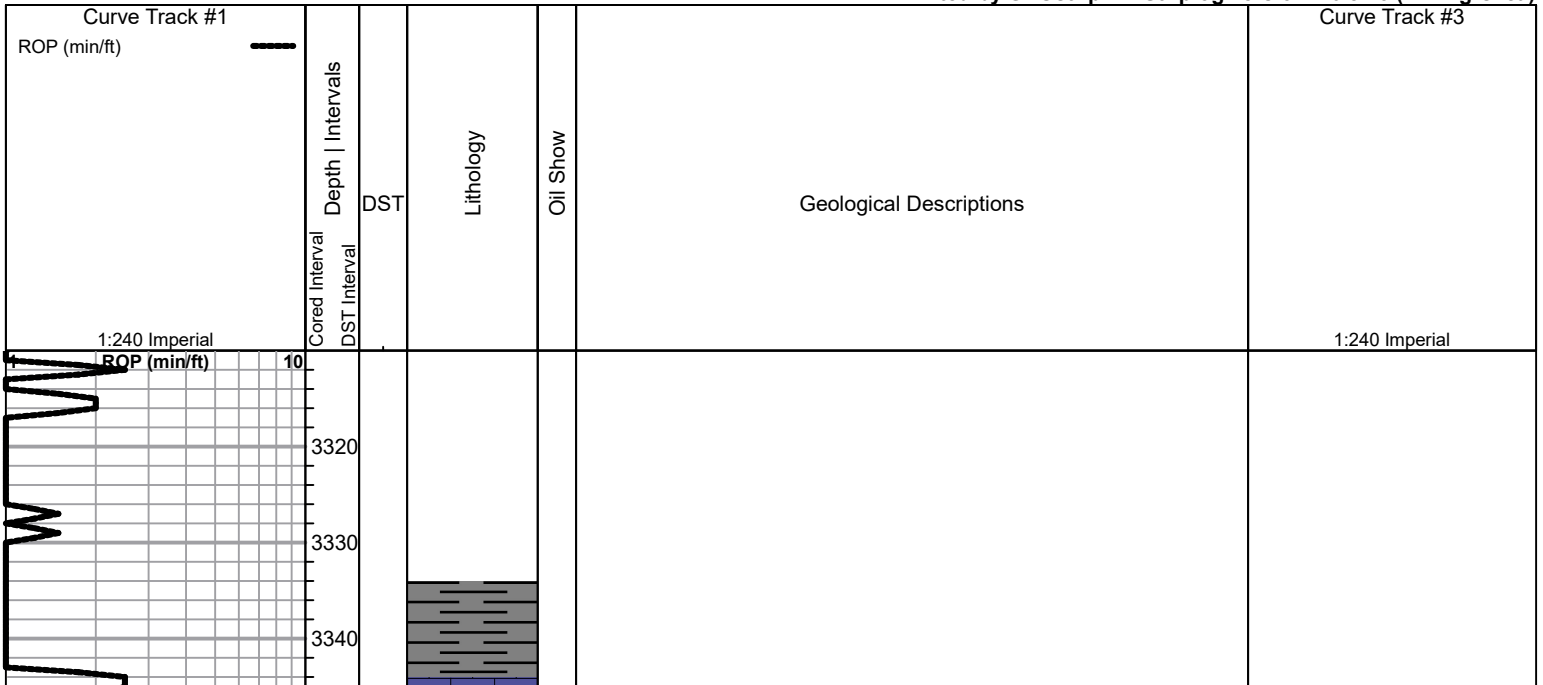
ROCK TYPES

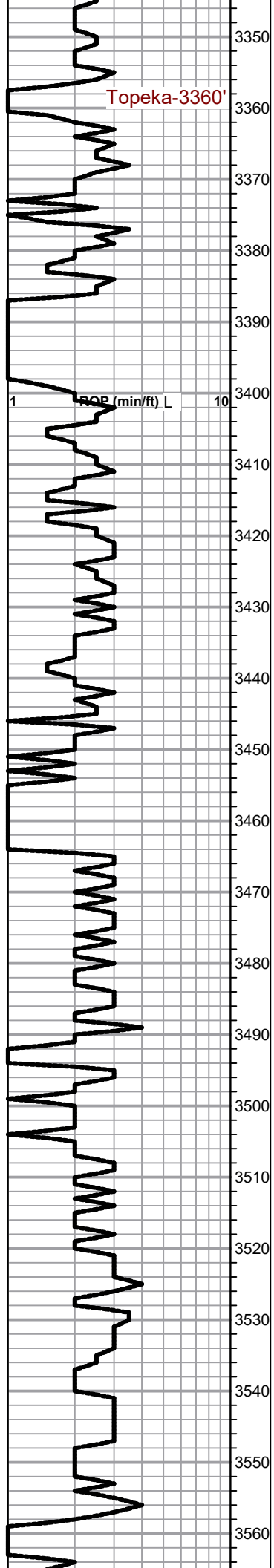
Dolprim	shale, gry	shale, red	Stst
Lmst fw<7	Carbon Sh	Ss	

ACCESSORIES

MINERAL	STRINGER	TEXTURE
Chert, tripolitic	Shale	C Chalky
Pyrite	red shale	

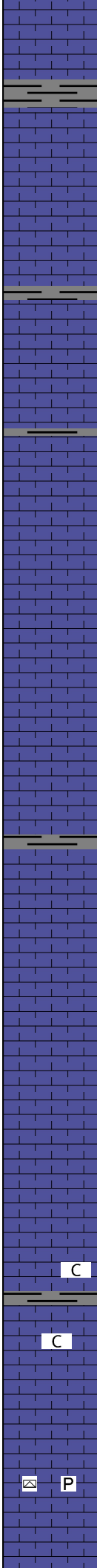
Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





Topeka-3360'

1 ROP (min/ft) L 10



Sh

Ls- tan fnlxn

Sh - gray

Ls - tan fnlxn

sh - gray

Ls - off wht- tan fnlxn fossil

Sh - gray

Ls- off wht - gray, fnlxn - oolitic , fossil

Ls - off wht-gray fnlxn, chalky, fossil

Ls - off wht-gray, fnlxn, chalky, fossil

Ls - off wht - gray fnlxn, fossil

Ls - off wht - gray fnlxn fossil, pyrite,

Vis - 55
wt - 8.8
LCM - 2#

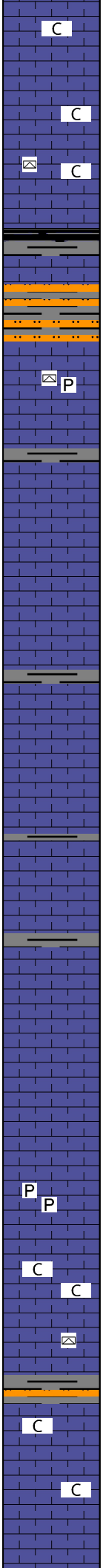
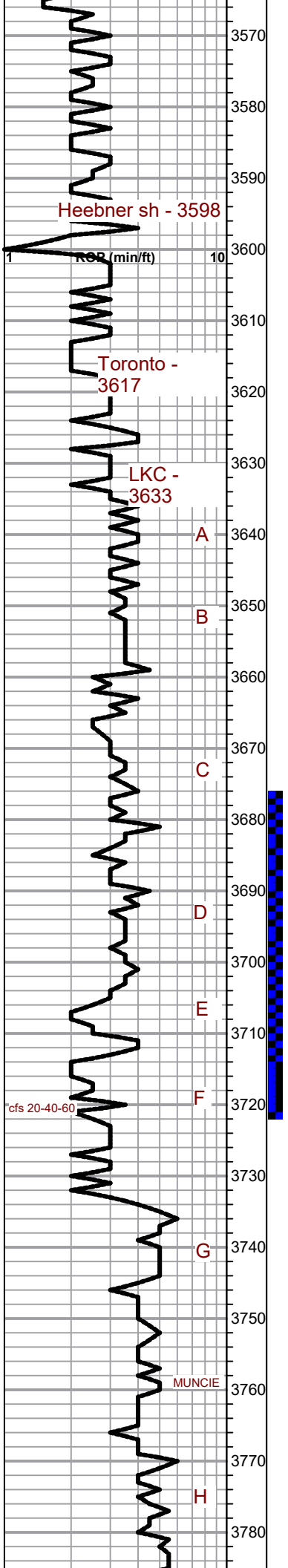
Geo on location @
2:00 AM

VIS - 54
WT - 87

C

C

P



C Ls - off wht fnxln - oolitic fossil chalk

C Ls - off wt fnxln - oolitic, fossil, chalk

C Ls - off wht fnxln, sl chalky, sl chert, fossil

Sh - black carb fissile

Ls - off wht fnxln fossil

Sh & sltstn gry - brn

P Ls off wht fnxln chert, pyrite

Ls - off wht-tan fnxln, fossil

Sh & sltstn gry-br

Ls - off wht , fnxln

○ Ls off wht - gray, fnxln to oolitic, fair to good oolitic porosity, good odor w/ fair sfo on porosity

Ls off wht fnxln

sh & sltstn gray - brn

Ls off wht fnxln

Ls off wht. fnxln

○ Ls off wht, fnxln to oolitic, fair to good poro in interxln & oolites fair to good sfo in poro no odor

○ Ls off wht fnxln - oolitic slight odor, fair to good interxln - oolitic porosity fair to good sat in porosity

○ Ls off wht fnxln fair interxln poro. strong odor , sl sfo on rx fossil

○ Ls off wht fnxln poor interxln poro sl sfo on surface of tight porosity strong odor

Sh & Slststn gray brown

D Ls off wht, fnxln fair interpart poro, fair odor fair show of dead flky oil, very pyrite

C Ls off wht very fnxln, fossil, chalky

C Ls Off wht-tan, vry fnxln, fossil, chert

sh-and sltstn- gray-brown

C Ls off wht-tan vry fnxln, fossil chalky

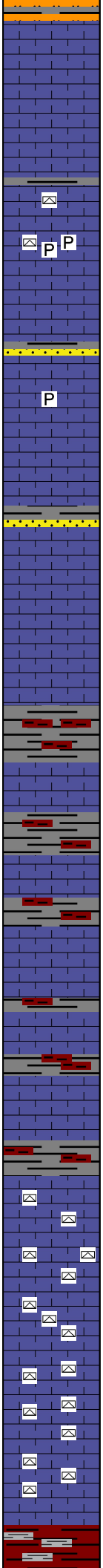
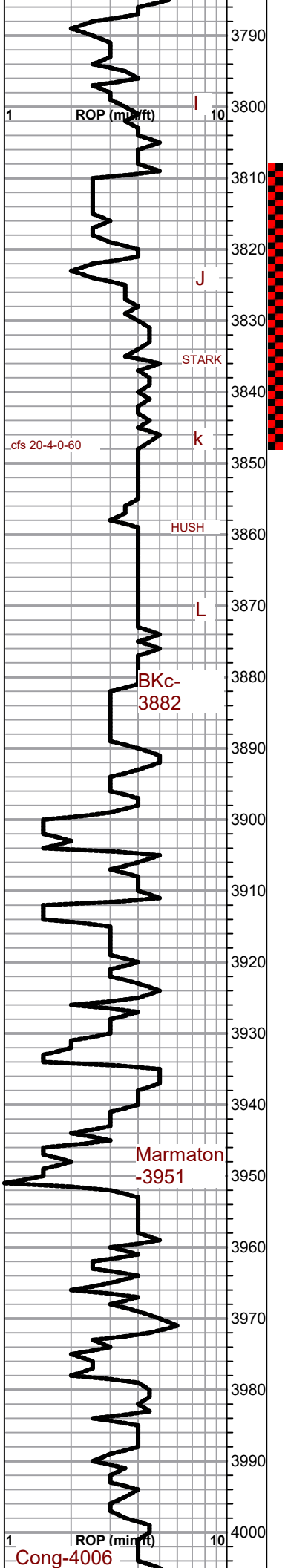
C Ls off wht-gray fnxln fossil chalky

Ls off wht - gray fnxln fossil

VIS - 47
WT - 8.8
LCM - 2

WT - 8.9
VIS - 55

WT - 9.0
VIS - 54
LCM - 2



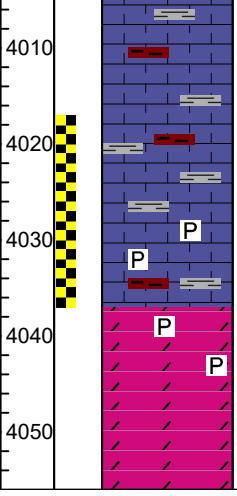
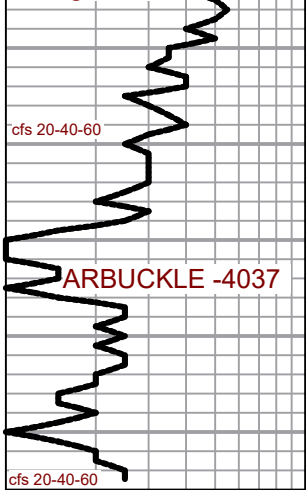
Ls off wht - very fnxn
 Ls off wht fnxn, fossil
 Ls off wht fnxn cherty
 Ls off wht fnxn, cherty, fossil, pyrite
 ● Ls - off wht, fnxn to oolitic, good interxn - oolitic poro. good odor, good sfo, saturation
 sh & sltstn gry-brown
 Ls - off wht fnxn, fossil, pyrite
 Ls- off wht fnxn
 sh & sltstn -
 Ls- off wht vryfnxn tight
 Ls - off wht -lt gry vry fnxn fossil
 Ls - off wht-lt gry vry fnxn
 Sh - red and gray
 Ls - off wht-lt gray, fnxn - oolitic
 Sh & sltstn gray-brown
 Ls - off wht-lt gry, fnxn-medxn-oolitic, sh & sltstn gray- brn
 Ls- off wht-lt gray, fnxn-medxn sh & sltstn gray-brn stickly
 Ls - off wht fnxn - medxn sh & sltstn gray - brown sticky
 Ls - off wht fnxn orange chert, chalky sh & sltstn gray-brown sticky
 Ls - off wht fnxn chalky orange chert, no odor no show
 Ls-off wht fnxn chalky, cherty clear to orange, fair odor, poor interxn poro slight sfo sl saturation
 Ls - off wht fnxn cherty-clear to orange with ss- clear
 Ls - off wht fnxn poor interxn poro. no odor, poor saturation in a few pcs. cherty,
 Ls-mixed with chalky sh and sltstn
 Sh - red chalky , sltstn gray and brown w Ls-off wh, fnxn

**VIS - 58
 WT 9.2**

**3930
 sample**

**WT - 9.2
 VIS - 54
 LCM - 1#**

1 ROP (min/ft) 10
 Cong-4006



Ls-tan to pink, fnxln, sl odor - no sfo or saturation in poor interxln poro sh and sltstn gray to brown

Ls -off wht fnxln-oolitic fair interxln-oolitic poro, slight odor no sfo

Ls- tan to pink fnxln, fnxln-oolitic poro, slight faint odor, fair, sfo sl saturation on poor-fair interxln poro mixed with sh and sltstn, gray-brown

Dolo- rhm clear to wht fair to good interxln poro with fair odor. sl to fair sfo in poro sl st pyrite

dolo- fnxln off wht, w/Ls off wht-lt grey fnxln, chalky, strong odor light sat in dolo interxln poro

Dolo - medxln - off wht fair odor slight sfo in interxln poro

**Reached TD @ 12:30
pm
4-18-24**