

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

Customer:
 PALOMINO PETROLEUM INC
 4924 SE 84TH ST
 NEWTON, KS 67114-8827

Invoice Date: 1/31/2022
 Invoice #: 0358508
 Lease Name: SFN
 Well #: 1 (New)
 County: Trego, Ks
 Job Number: WP2368
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	920.000	920.00
Heavy Eq Mileage	65.000	3.680	239.20
Light Eq Mileage	65.000	1.840	119.60
Ton Mileage	643.500	1.380	888.03
H-325	200.000	18.400	3,680.00
Cement Blending & Mixing	200.000	1.288	257.60

Total 6,104.43

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.

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!

SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
2/8/2022	35342

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

RECEIVED
FEB 14 2022
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#21	SJN SFN	Trego	STP	Oil	Development	Cement Long Str...	Jonathan
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				35	Miles	6.00	210.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
290	D-Air				3	Gallon(s)	42.00	126.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
402-4	4 1/2" Centralizer				10	Each	65.00	650.00T
403-4	4 1/2" Cement Basket				1	Each	250.00	250.00T
404-4	4 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-4	4 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00T
407-4	4 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00T
330	Swift Multi-Density Standard (MIDCON II)				150	Sacks	18.00	2,700.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				9	Sack(s)	40.00	360.00T
283	Salt				550	Lb(s)	0.25	137.50T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				65	Lb(s)	3.00	195.00T
581D	Service Charge Cement				250	Sacks	2.00	500.00
583D	Drayage				444.54	Ton Miles	1.00	444.54
	Subtotal							12,548.04
	Sales Tax Trego County						7.50%	742.01
<i>Cement for long string for #1 1/21</i>								
We Appreciate Your Business!							Total	\$13,290.05



CHARGE TO: Palomina Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 35342

PAGE 1 OF 2

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hays, KS</u>	<u>#2</u>	<u>55N</u>	<u>Trego</u>	<u>KS</u>		<u>02/08/22</u>	<u>Same</u>
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
		<u>STP</u>	<u>#1</u>	<u>CT</u>	<u>Location</u>		
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
	<u>Oil</u>	<u>Development</u>	<u>Cement Long String</u>				
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		UM	UM	UM		
575		1			MILEAGE # 110	35	m		6.40	216.00
578		1			Pump Charge - Long String	1	EA		1500.00	1500.00
290		1			D-Air	3	gal		42.00	126.00
281		1			MudFlush	500	gal		1.50	750.00
221		1			Liquid KCL	4	gal		25.00	100.00
402		1			Centralizer	10	EA		6.50	65.00
403		1			Cement Basket	1	EA		250.00	250.00
404		1			Part Collar	1	EA		2400.00	2400.00
406		1			Latch Down Plug Baffle	1	EA		225.00	225.00
407		1			Insert Float Shoe w/ AutoFill	1	EA		300.00	300.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED

TIME SIGNED

A.M.
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

AGREE

UNDECIDED

DISAGREE

PAGE 1 OF 2

PAGE 2

TREGO

TOTAL

13290.05

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 35342

CUSTOMER Palomino Petroleum

WELL 5110 #1

DATE 02/08/02

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M		
330		2				Swift Malt: Density Std	150	SKS	18.00	2700.00
325		2				Standard Cement	100	SKS	14.50	1450.00
284		2				Calusal	9	SKS	40.00	360.00
283		2				Salt	550	lbs	0.25	137.50
285		2				CR-1	50	lbs	5.00	250.00
276		2				Eloche	65	lbs	3.00	195.00
581		2							2.00	500.00
583		2							1.00	444.54

SERVICE CHARGE
MILEAGE CHARGE
TOTAL WEIGHT
LOADED MILES

OPEN FEET
TON MILES

2 Cement
2540.2
35
250 SKS
444.54

CONTINUATION TOTAL

4037.04

11175904

JOB LOG

SWIFT Services, Inc.

DATE PAGE NO.

02/08/22

1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomina Petroleum		#2		SFN		Long String		35342	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	2345								On location, Rig Changing Over
									RTD - 4560' LTD - 4555'
									Total Pipe - 109 Jts 4548.99'
									Shoe Joint - 41'
									Part Collar - Top of L2 @ 1926'
									Centralizers - 1, 2, 3, 4, 5, 6, 7, 8, 9, 63
									Basket - Pin of L2
									4 1/2" x 10.5#
	0040								Start Running Casing w/ Float Equip.
	0245								Break Circulation on Bottom
	0345								Hook up to Swift
		2	8						Plug Rathole w/ 30SK5 SMD
	0400	5	12			400			Pump Mud Flush
		5	20			400			Pump KCL Flush
		5				400			Start SMD Cmt @ 12.5 ppm
		5	46						Fin SMD, start EA2 @ 15.5 ppm
		5	70			Vac			Fin Cement, Shut Down
	0430								Drop Plug
									Washout Pump + Lines
		5 1/2							Start Displacement w/ KCL in 1st 20 bbls.
		5 1/2	43			350			Catch Cement
		5 1/2	70			900			Lift PSI
	0445	5 1/2	72 1/2			1500			Land Plug
	0450								Release Truck, Dry
									Wash up
									Rack up
	0515								Job Complete

Thanks
Jon, Joe,

MUD LOG
WellSight Systems
 Scale 1:240 (5"=100') Imperial
 Measured Depth Log

Well Name: SFN #1
 API: 15-195-23131
 Location: 1020 FSL - 845 FWL - Sec. 29 Twp. 15S - 25W
 License Number: _____ Region: Kansas
 Spud Date: 01/31/2022 Drilling Completed: 02/07/2022
 Surface Coordinates: _____

Bottom Hole
 Coordinates:
 Ground Elevation (ft): 2515 K.B. Elevation (ft): 2522
 Logged Interval (ft): 3600 To: T.D Total Depth (ft): 4560
 Formation: Mississippi @ Total Depth
 Type of Drilling Fluid: Chemical Mud (Mud Co)

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

OPERATOR

Company: Palomino Petroleum, Inc
 Address: 4924 SE 84TH ST
 Newton KS 67114

GEOLOGIST

Name: Keaton Jones
 Company: Rockhound Petroleum, LLC
 Address: 255 NE 30th
 St. John KS 67576
 (620)-546-4010

Well Tops Comparison

Lease: KB	SFN #1 2522			Lease: KB	Howard #2 2522	
Formation	Top	Datum	Strat Comp	Formation	Top	Datum
Anhy	1938	584	-2	Anhy	1936	586
Heebner	3786	-1264	4	Heebner	3790	-1268
Toronto	3804	-1282	3	Toronto	3807	-1285
Lansing	3828	-1306	2	Lansing	3830	-1308
BKC	4120	-1598	8	BKC	4128	-1606
Pawnee	4258	-1736	5	Pawnee	4263	-1741
Fort Scott	4326	-1804	6	Fort Scott	4332	-1810
Cherokee	4354	-1832	8	Cherokee	4362	-1840
Miss Dol	4440	-1918	-24	Miss	4416	-1894



**TRIBOLITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 Se 84th
New ton KS 67114
ATTN: Keaton Jones

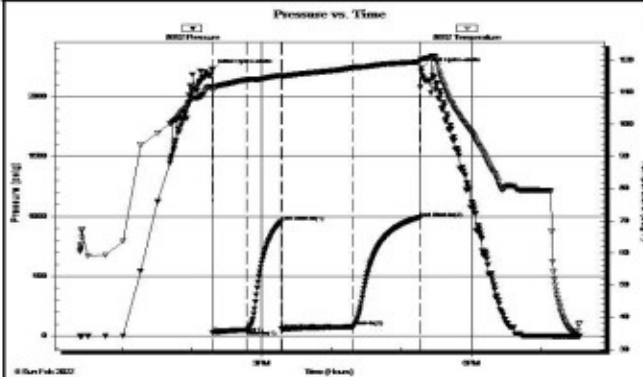
29 15 25 Gove ,KS
SFN #1
Job Ticket: 68333 **DST#: 1**
Test Start: 2022.02.06 @ 12:24:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 14:18:00
Time Test Ended: 19:33:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Day
Unit No: 70
Interval: **4377.00 ft (KB) To 4460.00 ft (KB) (TVD)**
Total Depth: **4460.00 ft (KB) (TVD)**
Reference Elevations: 2522.00 ft (KB)
2515.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 7.00 ft

Serial #: 8652 Outside
Press@RunDepth: 78.53 psig @ 4378.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.02.06 End Date: 2022.02.06 Last Calib.: 2022.02.06
Start Time: 12:24:05 End Time: 19:32:59 Time On Btm: 2022.02.06 @ 14:17:45
Time Off Btm: 2022.02.06 @ 17:17:00

TEST COMMENT: ff - 30 min - built to 3 inches
si 1 - 30-no return
ff -60- 5 inches
fsi -60- no return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.79	111.81	Initial Hydro-static
1	26.10	110.32	Open To Flow (1)
30	53.00	113.80	Shut-in(1)
59	955.28	115.19	End Shut-in(1)
60	59.33	114.88	Open To Flow (2)
121	78.53	117.63	Shut-in(2)
179	987.89	119.42	End Shut-in(2)
180	2236.08	120.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
82.00	hoon 30%oil 70% mud	0.40
50.00	100%oil	0.34
0.00	58'GP	0.00

Gas Rates

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



**TRIBOLITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84TH St.
New ton, KS 67114
ATTN: Keaton Jones

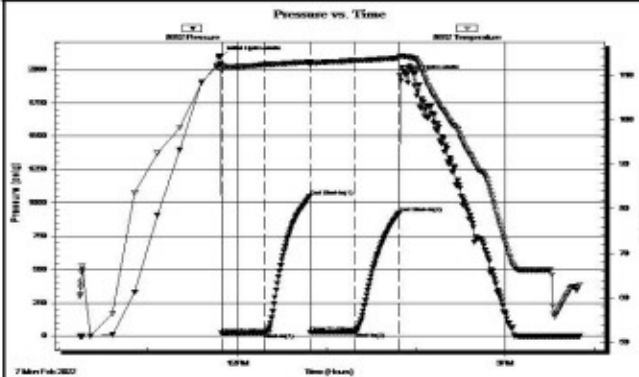
29_15_ 25 Gove ,KS
SFN #1
Job Ticket: 68334 **DST#: 2**
Test Start: 2022.02.07 @ 10:14:00

GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 11:49:15
Time Test Ended: 15:50:30
Test Type: Conventional Straddle (Reset)
Tester: Dustin Day
Unit No: 70
Interval: **4051.00 ft (KB) To 4110.00 ft (KB) (TVD)**
Reference Elevations: 2522.00 ft (KB)
Total Depth: 4555.00 ft (KB) (TVD) 2515.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8652 Outside
Press@RunDepth: 31.15 psig @ 4052.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.02.07 End Date: 2022.02.07 Last Calib.: 2022.02.07
Start Time: 10:14:05 End Time: 15:50:29 Time On Btm: 2022.02.07 @ 11:49:00
Time Off Btm: 2022.02.07 @ 13:49:15

TEST COMMENT: F-30- Built to 1 1/4"
S11-30- No return
FF-30-Weak surface Blow
S2-30- No return



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.99	112.45	Initial Hydro-static
1	21.67	110.90	Open To Flow (1)
30	26.02	112.40	Shut-in(1)
60	1049.18	112.97	End Shut-in(1)
60	27.95	112.42	Open To Flow (2)
90	31.15	113.29	Shut-in(2)
120	924.24	113.84	End Shut-in(2)
121	1954.97	114.35	Final Hydro-static

Length (ft)	Description	Volume (bbt)
5.00	osm	0.02

Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)

ROCK TYPES

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

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

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Siltstrg
- Ssstrg

TEXTURE

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

OTHER SYMBOLS

POROSITY

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

- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Even
- Spotted
- Ques

EVENT

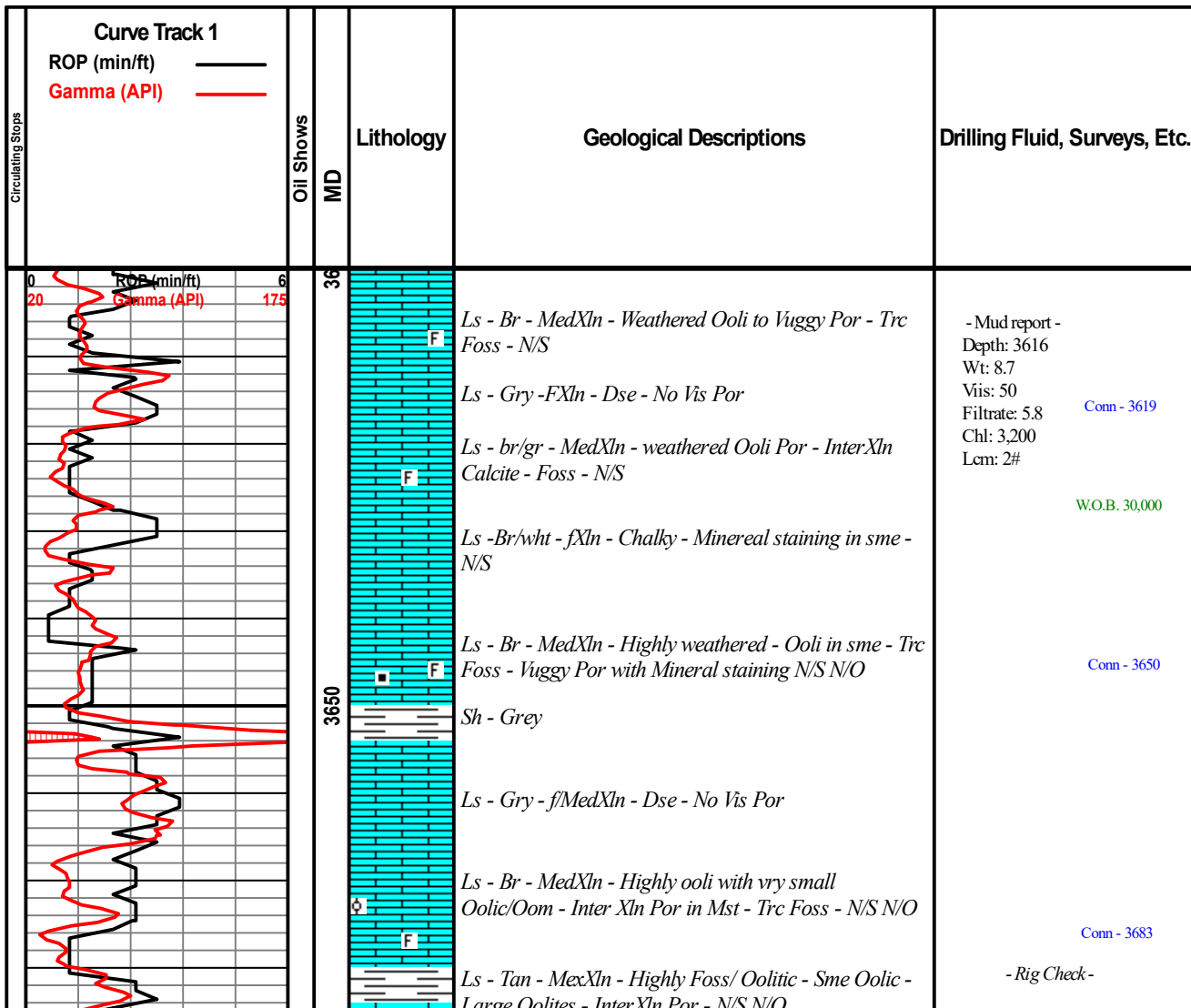
- Rft
- Sidewall

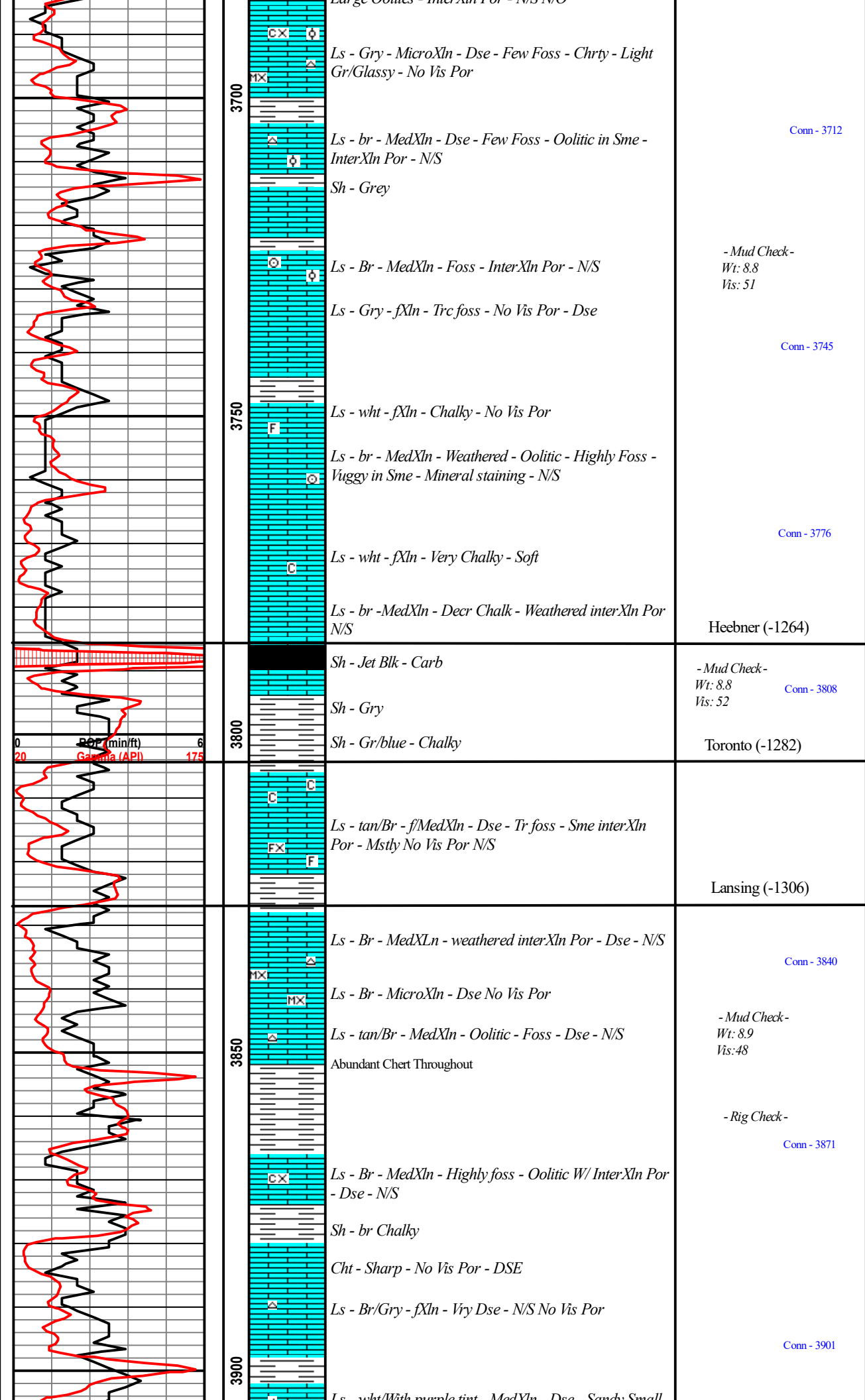
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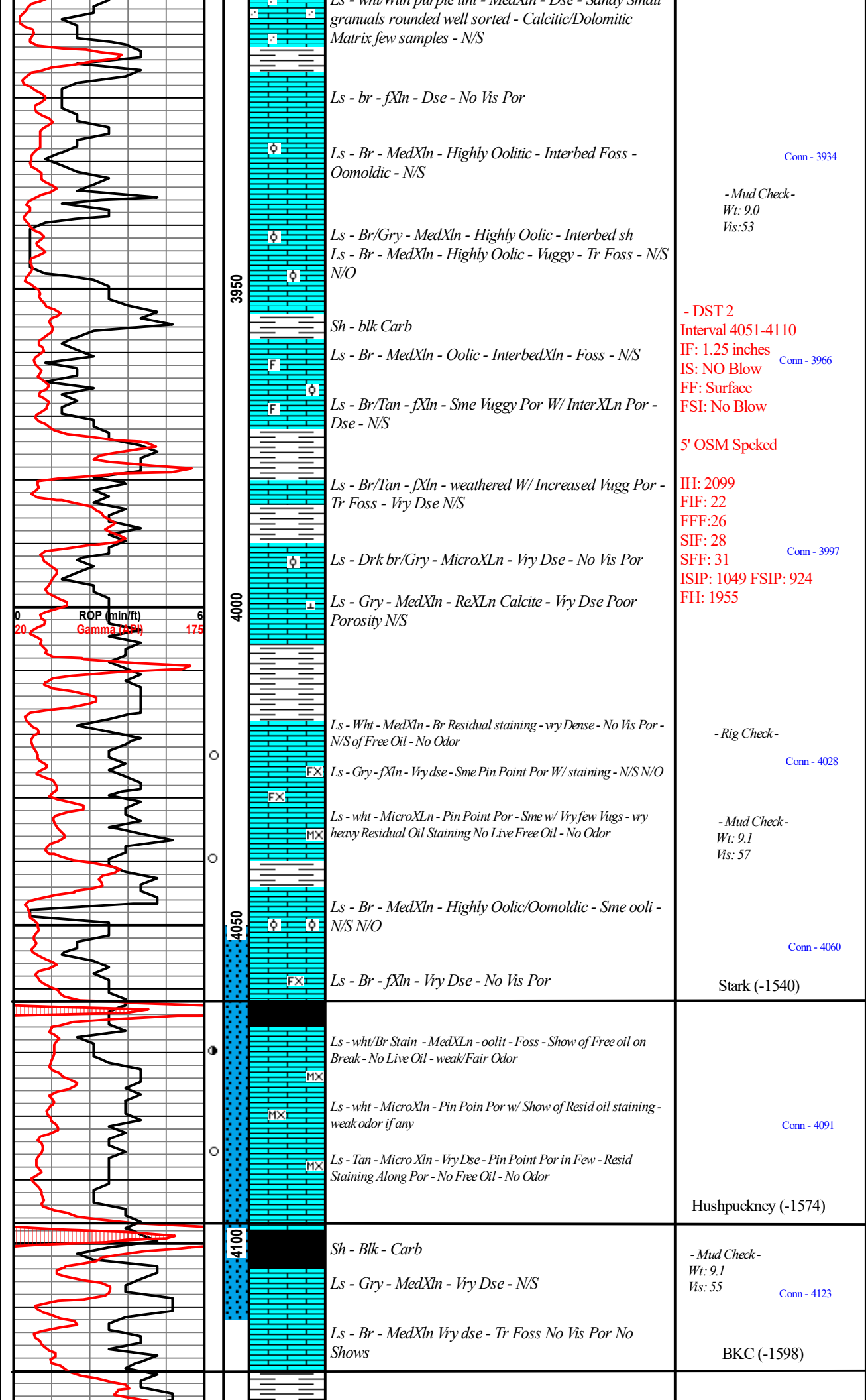
- Core
- Dst 2
- Dst

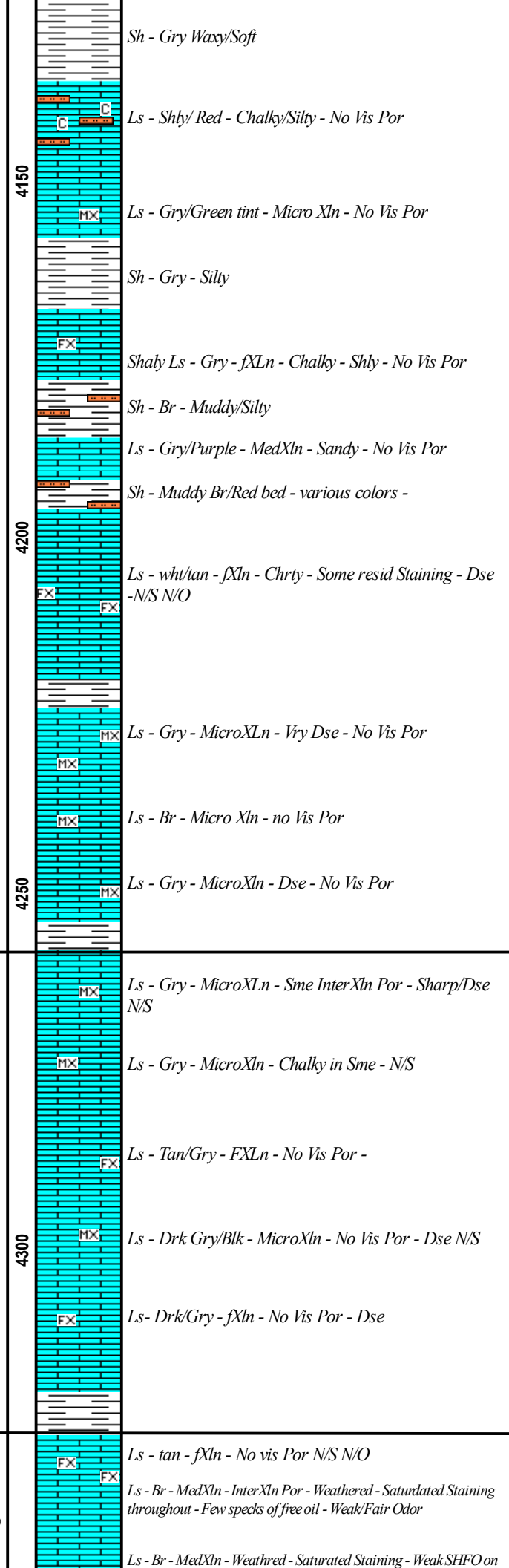
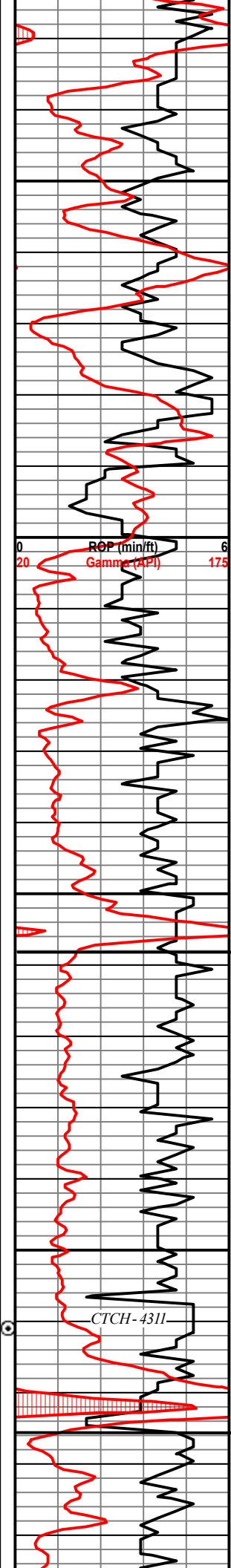
OIL SHOW

- Cfs









- Mud Report -
 Depth: 4141
 Wt: 9.0
 Vis: 56
 Filtrate: 5.8
 Chl: 3,100

W.O.B. - 34,000
 Conn - 4155

- Mud Check -
 Wt: 9.1
 Vis: 58

- Rig Check -
 Conn - 4186

- Mud Check -
 Wt: 9.2
 Vis: 53
 Conn - 4218

Conn - 4249

Pawnee (-1736)

- Mud Check -
 Wt: 9.2
 Vis: 53
 Conn - 4280
 W.O.B. - 34,000

- Mud Check -
 Wt: 9.3
 Vis: 52

Short trip to Collars -
 Tight Connections
 Conn - 4311

Fort Scott (-1804)

- Mud Check -
 Wt: 9.2
 Vis: 55
 Conn - 4343

Sh - Gry Waxy/Soft

Ls - Shly/ Red - Chalky/Silty - No Vis Por

Ls - Gry/Green tint - Micro Xln - No Vis Por

Sh - Gry - Silty

Shaly Ls - Gry - fXln - Chalky - Shly - No Vis Por

Sh - Br - Muddy/Silty

Ls - Gry/Purple - MedXln - Sandy - No Vis Por

Sh - Muddy Br/Red bed - various colors -

Ls - wht/tan - fXln - Chrty - Some resid Staining - Dse -N/S N/O

Ls - Gry - MicroXln - Vry Dse - No Vis Por

Ls - Br - Micro Xln - no Vis Por

Ls - Gry - MicroXln - Dse - No Vis Por

Ls - Gry - MicroXln - Sme InterXln Por - Sharp/Dse N/S

Ls - Gry - MicroXln - Chalky in Sme - N/S

Ls - Tan/Gry - FXln - No Vis Por -

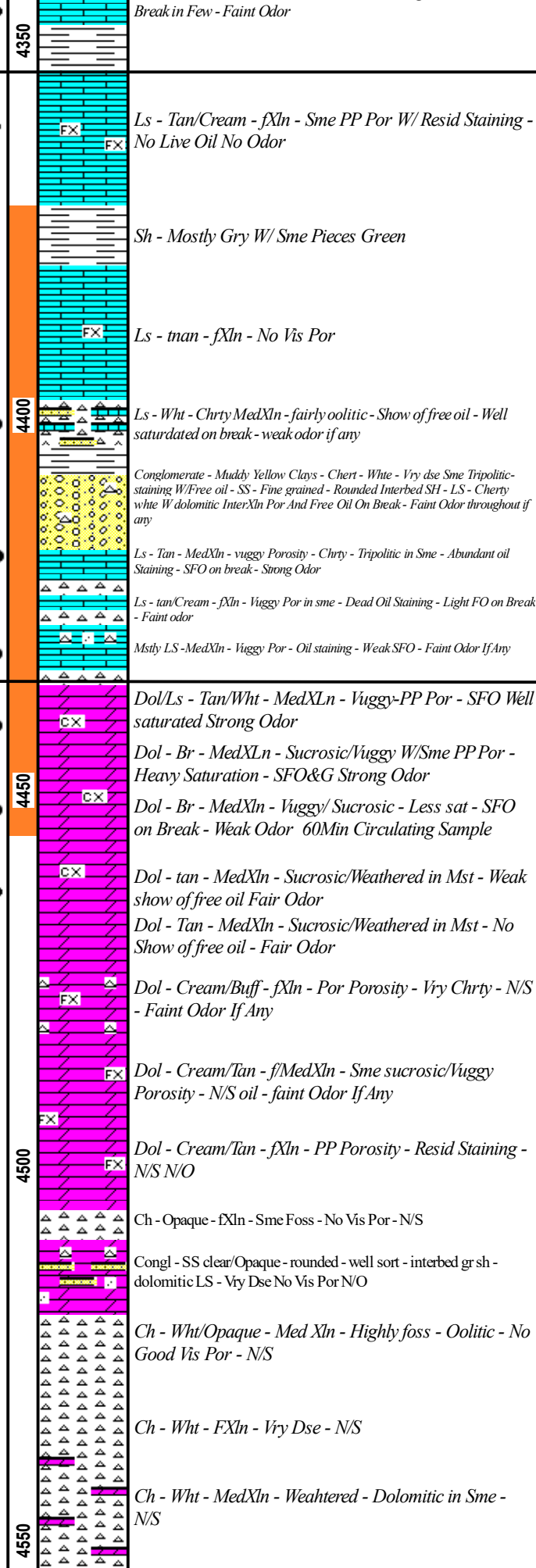
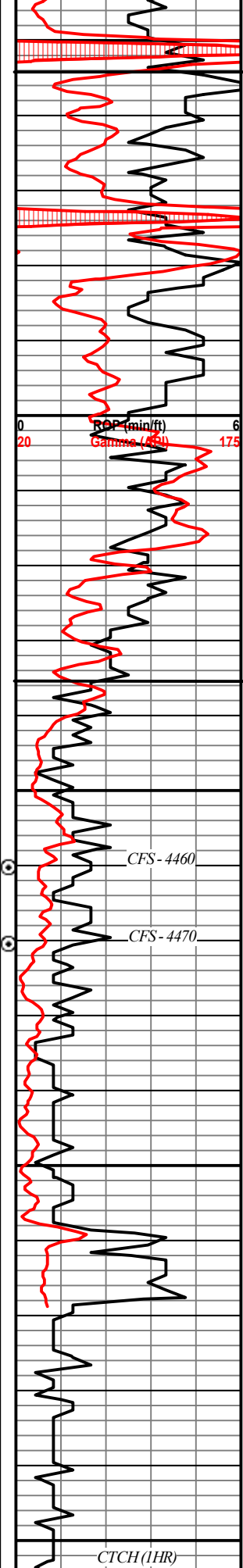
Ls - Drk Gry/Blk - MicroXln - No Vis Por - Dse N/S

Ls - Drk/Gry - fXln - No Vis Por - Dse

Ls - tan - fXln - No vis Por N/S N/O

Ls - Br - MedXln - InterXln Por - Weathered - Saturdated Staining throughout - Few specks of free oil - Weak/Fair Odor

Ls - Br - MedXln - Weathred - Saturated Staining - Weak SHFO on



Cherokee (-1832)

- Mud Check -
Wt: 9.2
Vis: 56

Conn - 4375

W.O.B - 34/36,000

- Mud Report -
Depth: 4406
Wt: 9.3
Vis: 55
Filtrate: 5.8
Chl: 3,800

Conn - 4406

- Rig Check -
Conn - 4438

Miss Dol (-1918)

- DST 1 - -
Interval - 4377-4460
Miss/Cherokee

IF: 3 inches
ISI: No Blow
FF: 5 inches
FSI: No Blow

Conn - 4470

Recovery: 132'
83' HOCM 30% Oil 70% M
50' Oil
58' GIP

IHS: 2222
FIF: 26
FFF: 53
SIF: 59
SFF: 79
ISIP: 955 FSIP: 988
FHS: 2236

Conn - 4502

Survey - 4460 - 2
Degrees deviated

- Mud Check -
Wt: 9.0
Vis: 56

Conn - 4533

- mud Report -
Depth: 4560
Wt: 9.4
Vis: 56
Filtrate: 6.0
Chl: 4,800

R.T.D 4560

Drill Time Adjusted to Match Logging TD

Logging Survey - 1.7
Degrees Deviated

L.T.D 4555

0	ROP (min/ft)	6
20	Gamma (API)	175

4600

4650

00



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton, KS 67114

ATTN: Keaton Jones

SFN #1

29-15s-25w Gove,KS

Start Date: 2022.02.06 @ 12:24:00

End Date: 2022.02.06 @ 19:33:00

Job Ticket #: 68333 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.08 @ 15:36:42

Palomino Petroleum
29-15s-25w Gove,KS
SFN #1
DST # 1
Miss
2022.02.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68333

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.02.06 @ 12:24:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:18:00

Time Test Ended: 19:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 4377.00 ft (KB) To 4460.00 ft (KB) (TVD)

Reference Elevations: 2522.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2515.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8652 Outside

Press@RunDepth: 78.53 psig @ 4378.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.06 End Date: 2022.02.06

Last Calib.: 2022.02.06

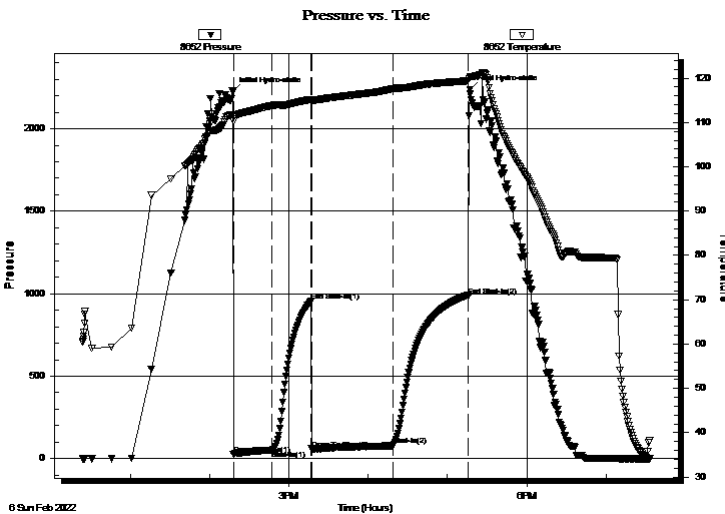
Start Time: 12:24:05 End Time: 19:32:59

Time On Btm: 2022.02.06 @ 14:17:45

Time Off Btm: 2022.02.06 @ 17:17:00

TEST COMMENT: if - 30 min - built to 3"
si 1 - 30-no return
ff -60- 5"
fsi -60- no return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.79	111.81	Initial Hydro-static
1	26.10	110.32	Open To Flow (1)
30	53.00	113.80	Shut-In(1)
59	955.28	115.19	End Shut-In(1)
60	59.33	114.88	Open To Flow (2)
121	78.53	117.63	Shut-In(2)
179	987.89	119.42	End Shut-In(2)
180	2236.08	120.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
82.00	hocm 30%oil 70% mud	0.40
50.00	100%oil	0.34
0.00	58'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68333

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.02.06 @ 12:24:00

Tool Information

Drill Pipe:	Length: 4259.00 ft	Diameter: 3.80 inches	Volume: 59.74 bbl	Tool Weight:	2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 60.34 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4377.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	83.00 ft				
Tool Length:	111.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4350.00	
shut In Tool	5.00			4355.00	
hydraulic tool	5.00			4360.00	
Jars	5.00			4365.00	
Safety Joint	3.00			4368.00	
Packer	5.00			4373.00	28.00 Bottom Of Top Packer
Packer	4.00			4377.00	
Stubb	1.00			4378.00	
Recorder	0.00	6625	Inside	4378.00	
Recorder	0.00	8652	Outside	4378.00	
Perforations	3.00			4381.00	
change Over Sub	1.00			4382.00	
Drill Pipe	63.00			4445.00	
change Over Sub	1.00			4446.00	
Perforations	10.00			4456.00	
Bullnose	4.00			4460.00	83.00 Bottom Packers & Anchor
Total Tool Length:	111.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68333

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.02.06 @ 12:24:00

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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
82.00	hocm 30%oil 70% mud	0.403
50.00	100%oil	0.337
0.00	58'GIP	0.000

Total Length: 132.00 ft

Total Volume: 0.740 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

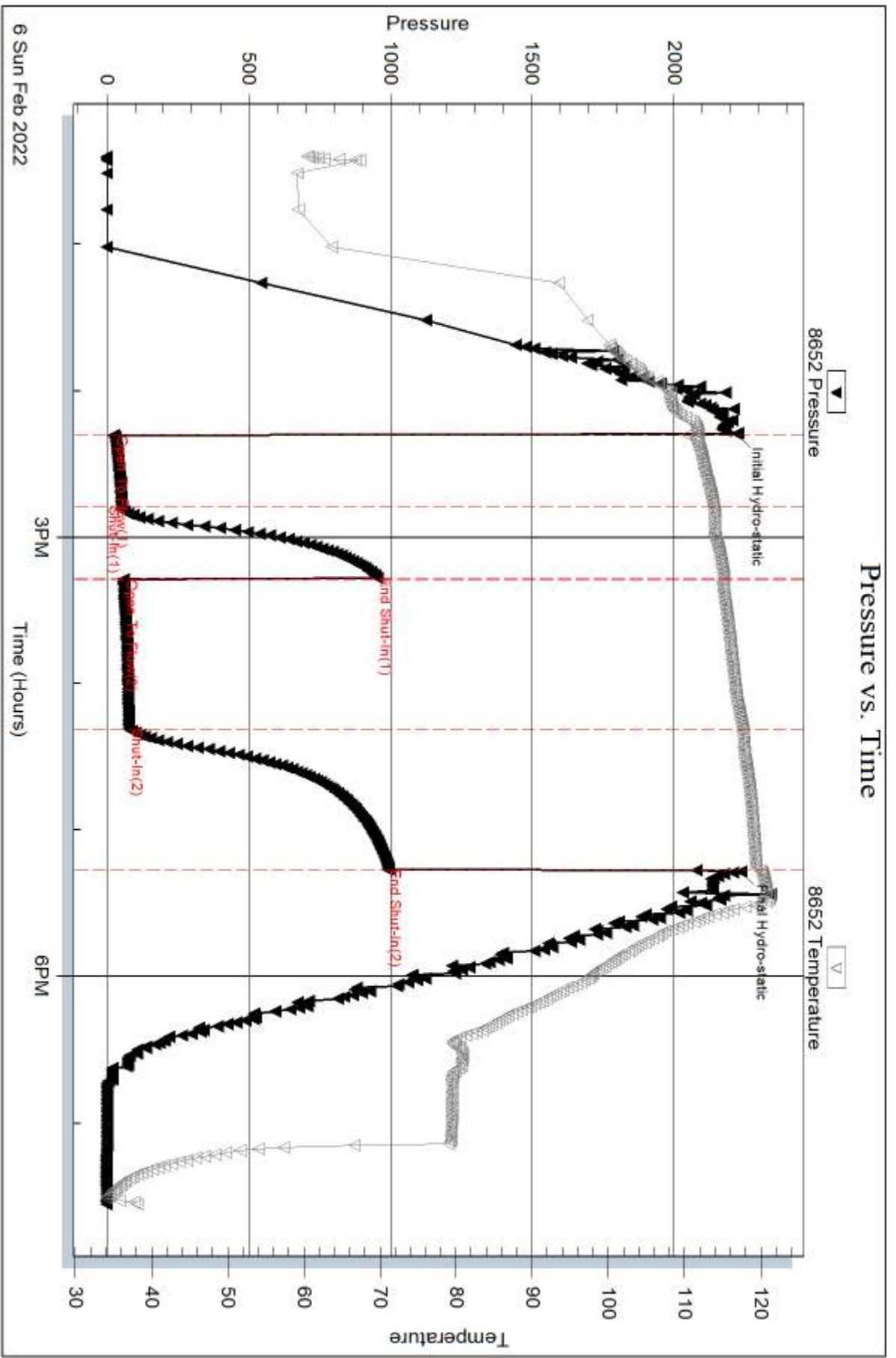
Recovery Comments: 2# LCM

Serial #: 8652

Outside Palomino Petroleum

SFN#1

DST Test Number: 1



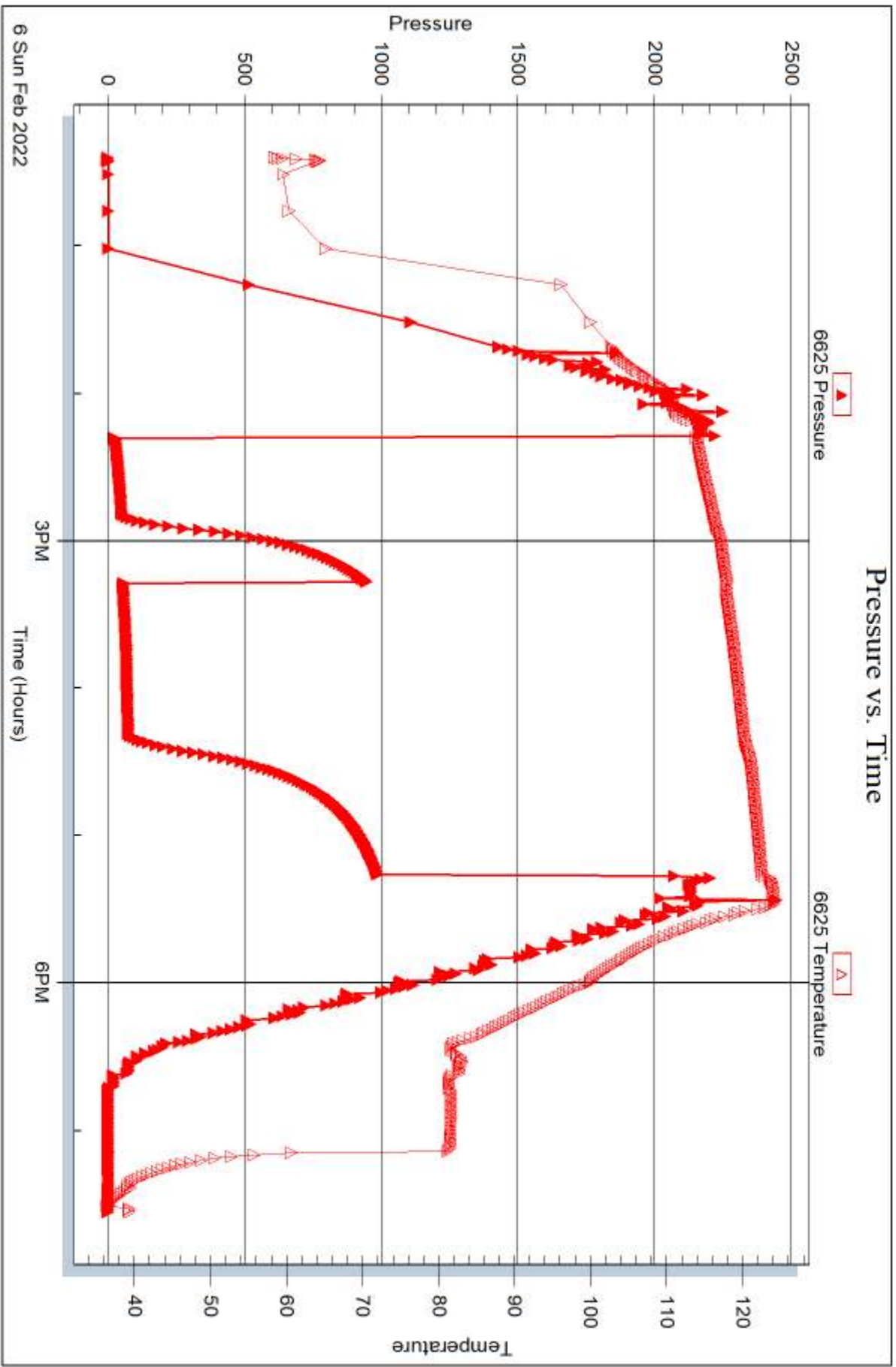
Serial #: 6625

Inside

Palomino Petroleum

SFN#1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68333

Printed: 2022.02.08 @ 15:36:43



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton, KS 67114

ATTN: Keaton Jones

SFN #1

29-15s-25w Gove,KS

Start Date: 2022.02.07 @ 10:14:00

End Date: 2022.02.07 @ 15:50:30

Job Ticket #: 68334 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.08 @ 15:35:01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68334

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.02.07 @ 10:14:00

GENERAL INFORMATION:

Formation: **LKC H - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:49:15

Time Test Ended: 15:50:30

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 4051.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2522.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

2515.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8652 Outside

Press@RunDepth: 31.15 psig @ 4052.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.07 End Date: 2022.02.07

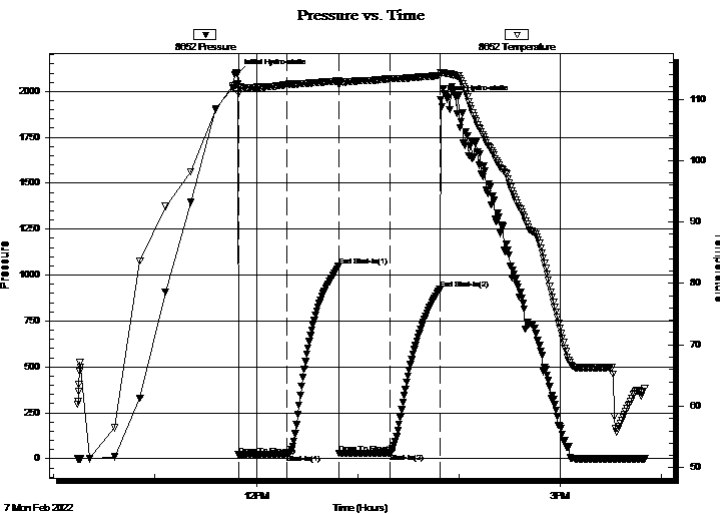
Last Calib.: 2022.02.07

Start Time: 10:14:05 End Time: 15:50:29

Time On Btm: 2022.02.07 @ 11:49:00

Time Off Btm: 2022.02.07 @ 13:49:15

TEST COMMENT: IF-30- Built to 1 1/4"
SI1-30- No return
FF-30-Weak surface Blow
SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.99	112.45	Initial Hydro-static
1	21.67	110.90	Open To Flow (1)
30	26.02	112.40	Shut-In(1)
60	1049.18	112.97	End Shut-In(1)
60	27.95	112.42	Open To Flow (2)
90	31.15	113.29	Shut-In(2)
120	924.24	113.84	End Shut-In(2)
121	1954.97	114.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	osm	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68334

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.02.07 @ 10:14:00

GENERAL INFORMATION:

Formation: **LKC H - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:49:15

Time Test Ended: 15:50:30

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 4051.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2522.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

2515.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6625 Inside

Press@RunDepth: psig @ 4052.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.07

End Date: 2022.02.07

Last Calib.: 2022.02.07

Start Time: 10:14:05

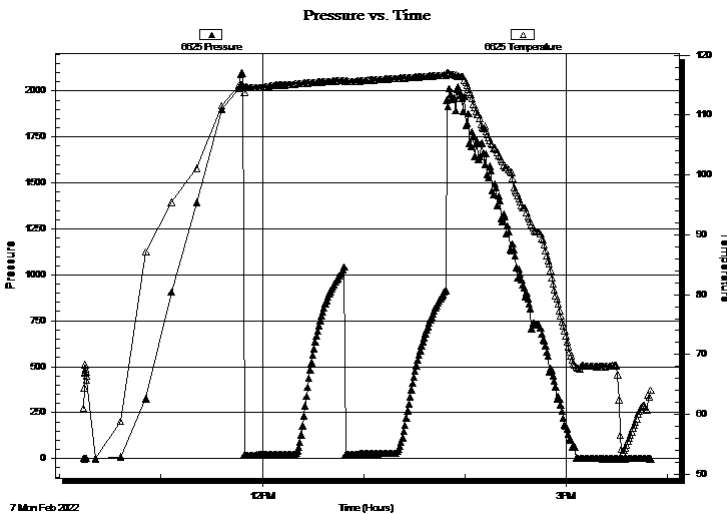
End Time: 15:50:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 1 1/4"
SI1-30- No return
FF-30-Weak surface Blow
SI2-30- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	osm	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68334

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.02.07 @ 10:14:00

Tool Information

Drill Pipe:	Length: 3912.00 ft	Diameter: 3.80 inches	Volume: 54.88 bbl	Tool Weight:	2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 55.48 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4051.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	4107.00 ft				
Interval between Packers:	56.00 ft				
Tool Length:	531.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

shut In Tool	5.00			4029.00	
hydraulic tool	5.00			4034.00	
Jars	5.00			4039.00	
Safety Joint	3.00			4042.00	
Packer	5.00			4047.00	27.00 Bottom Of Top Packer
Packer	4.00			4051.00	
Stubb	1.00			4052.00	
Recorder	0.00	6625	Inside	4052.00	
Recorder	0.00	8652	Outside	4052.00	
perforations	18.00			4070.00	
change Over Sub	1.00			4071.00	
drill Pipe	32.00			4103.00	
change Over Sub	1.00			4104.00	
Perforations	2.00			4106.00	
blank Off Sub	1.00			4107.00	
Packer	3.00			4110.00	56.00 Tool Interval
Packer	1.00			4111.00	
stubb	1.00			4112.00	
Change Over Sub	1.00			4113.00	
Recorder	0.00	8167	Below	4113.00	
Drill Pipe	442.00			4555.00	448.00 Bottom Packers & Anchor

Total Tool Length: 531.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-15s-25w Gove,KS

4924 SE 84th St.
New ton, KS 67114

SFN #1

Job Ticket: 68334

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.02.07 @ 10:14:00

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	osm	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

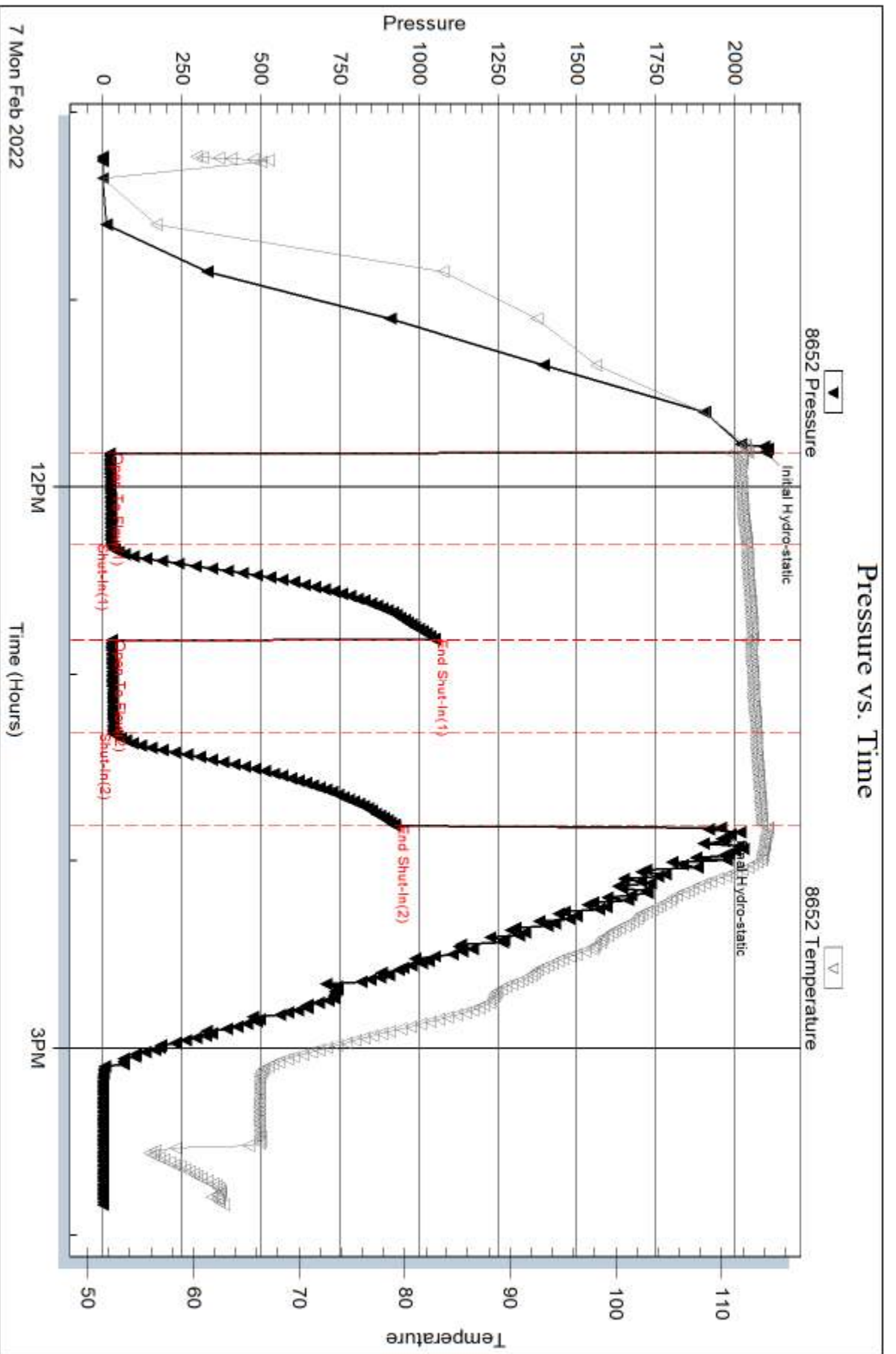
Recovery Comments: 1# LCM

Serial #: 8652

Outside Palomino Petroleum

SFN#1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68334

Printed: 2022.02.08 @ 15:35:03

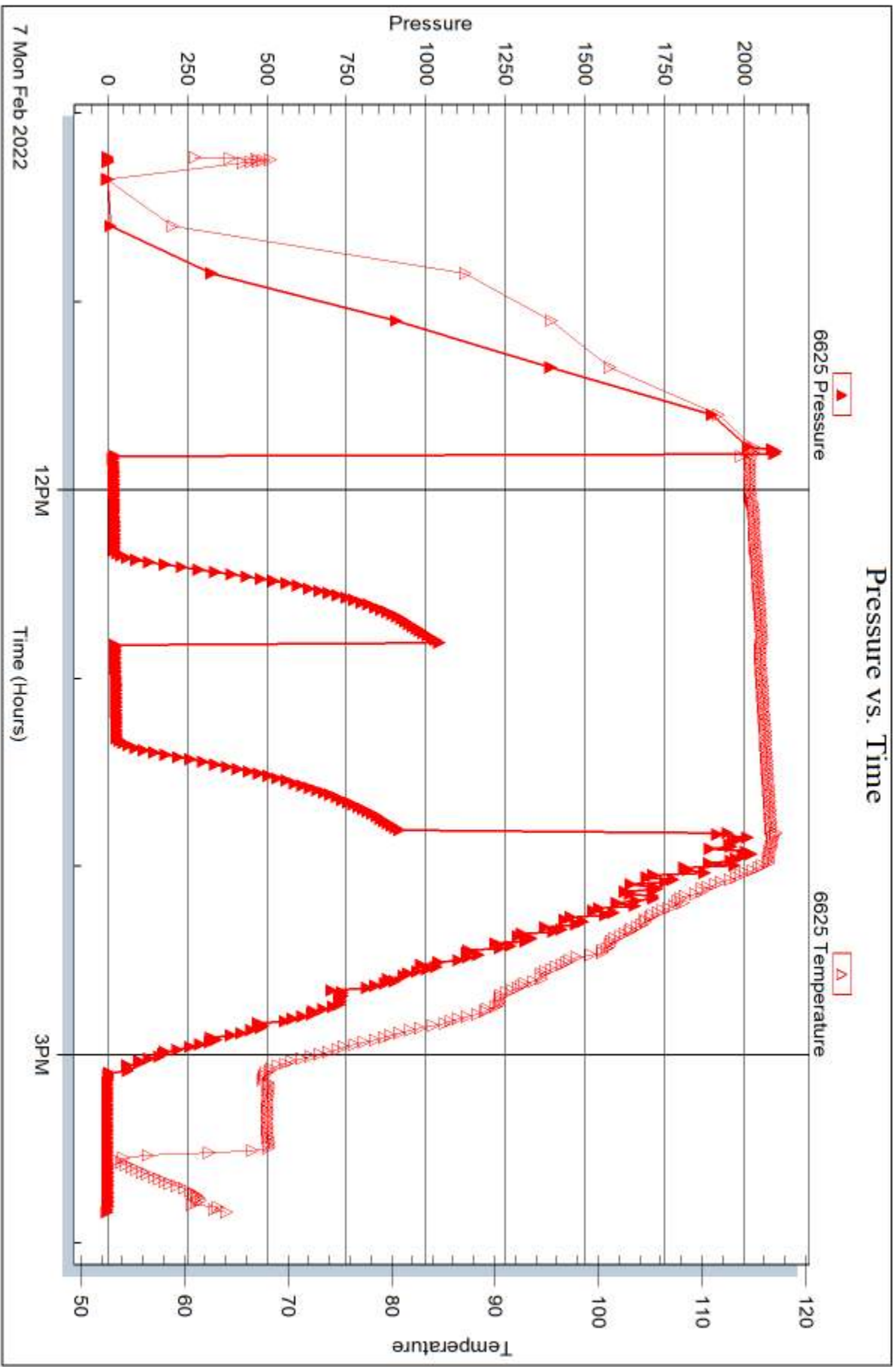
Serial #: 6625

Inside

Palomino Petroleum

SFN#1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68334

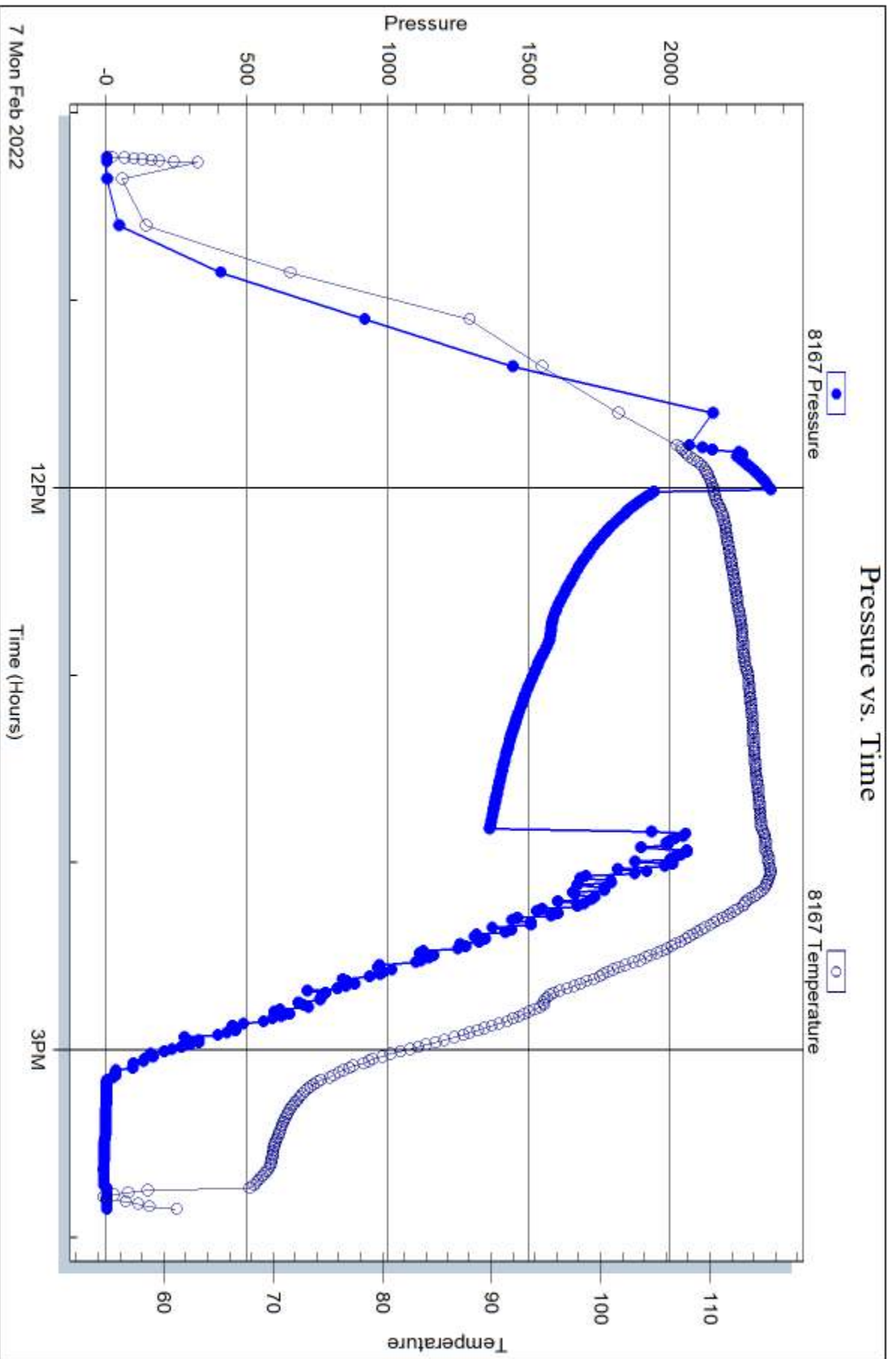
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Serial #: 8167

Below (Str Rattenho Petroleum

SFN#1

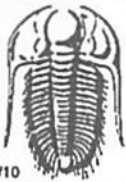
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68334

Printed: 2022.02.08 @ 15:35:03



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68333

Well Name & No. SFN #1 Test No. 1 Date 2/6/22
 Company Palomino Petroleum Elevation 2522 KB 2515 GL
 Address 4924 SE 8th St Newton, KS 67114
 Co. Rep / Geo. Keaton Jones Rig STP
 Location: Sec. 29 Twp 15 Rge. 25 Co. Grove State KS

Interval Tested 4377-4460 Zone Tested Miss
 Anchor Length 83 Drill Pipe Run 4259 Mud Wt. 9.3
 Top Packer Depth 4372 Drill Collars Run 122 Vis 55
 Bottom Packer Depth 4377 Wt. Pipe Run Ø WL 58
 Total Depth 4460 Chlorides 3000 ppm System LCM 2#

Blow Description IF- Built to 3"
S19- No Return
FF- Built to 5"
S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>82</u>	<u>HOCM</u>	<u>30</u>		<u>70</u>	
<u>50</u>	<u>CO</u>	<u>Ø</u>	<u>Ø</u>		
	<u>58 GTP</u>				

Rec Total 132' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2222 Test 1450 T-On Location 11:30
 (B) First Initial Flow 76 Jars 250 T-Started 12:24
 (C) First Final Flow 53 Safety Joint 75 T-Open 14:18
 (D) Initial Shut-In 955 Circ Sub N/A T-Pulled 17:18
 (E) Second Initial Flow 59 Hourly Standby _____ T-Out 19:33
 (F) Second Final Flow 79 Mileage 140 175 Comments _____
 (G) Final Shut-In 988 Sampler _____
 (H) Final Hydrostatic 2236 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 60 Extra Recorder _____
 Final Shut-In 60 Day Standby _____
 Sub Total 1950 Accessibility _____
 MP/DST Disc't _____

Approved By _____ Our Representative DUSTY Terry

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68334

Well Name & No. SFN#1 Test No. 2 Date 2/17/22
 Company Palomino Petroleum Elevation 2527 KB 2515 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Keaton Jones Rig STP
 Location: Sec. 29 Twp 15 Rge. 25 Co. Grove State KS

Interval Tested 4051-4110 Zone Tested LKC
 Anchor Length 59 Drill Pipe Run 3912 Mud Wt. 9.4
 Top Packer Depth 4046 Drill Collars Run 122 Vis 56
 Bottom Packer Depth 4051 SP. 4110 Wt. Pipe Run Ø WL 6.0
 Total Depth 4555 LTD Chlorides 4800 ppm System LCM #

Blow Description IF- Built to 1 1/4"
SIH- No Return
FF- Weak surface blow
SIH- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OSM</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2099 Test 1450 T-On Location 09:00
 (B) First Initial Flow 22 Jars 250 T-Started 10:14
 (C) First Final Flow 210 Safety Joint 75 T-Open 11:49
 (D) Initial Shut-In 1049 Circ Sub N/A T-Pulled 13:49
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 15:51
 (F) Second Final Flow 31 Mileage 140 175 Comments _____
 (G) Final Shut-In 924 Sampler _____
 (H) Final Hydrostatic 1955 Straddle 600 EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2550
 Sub Total 2550 MP/DST Disc't _____

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