

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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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: 4/27/2022
 Invoice #: 0360278
 Lease Name: Braveheart
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2727
 District: Oakley

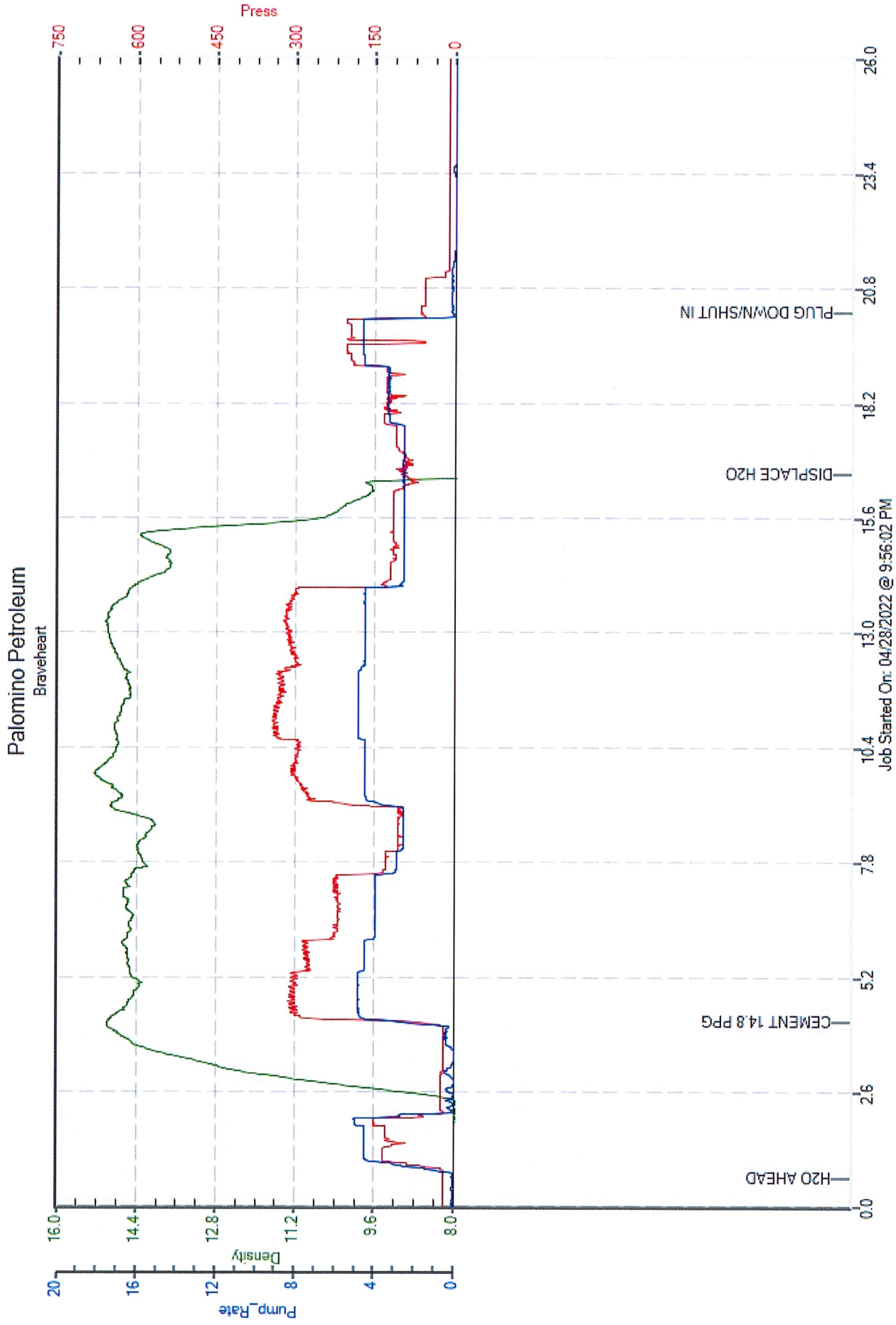
Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	20.700	4,140.00
Light Eq Mileage	70.000	2.000	140.00
Heavy Eq Mileage	70.000	4.000	280.00
Ton Mileage	615.000	1.500	922.50
Depth Charge 0'-500'	1.000	920.000	920.00
Cement Blending & Mixing	200.000	1.380	276.00
Service Supervisor	1.000	276.000	276.00

Total 6,954.50

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!





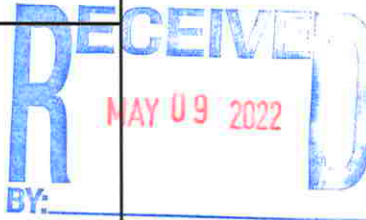
P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
5/4/2022	35407

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



- Acidizing
- Cement
- Tool Rental



TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Braveheart	Ness	Pickrell Rig #10	Oil	Development	Cement Long Str...	Jonathan

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	7.00	280.00
578D-L	Pump Charge - Long String	1	Job	1,600.00	1,600.00
290	D-Air	3	Gallon(s)	42.00	126.00T
281	Mud Flush	500	Gallon(s)	2.00	1,000.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
403-5	5 1/2" Cement Basket	1	Each	300.00	300.00T
404-5	5 1/2" Port Collar	1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	350.00	350.00T
409-5	5 1/2" Turbolizer	10	Each	100.00	1,000.00T
330	Swift Multi-Density Standard (MIDCON II)	100	Sacks	19.50	1,950.00T
325	Standard Cement	100	Sacks	15.00	1,500.00T
284	Calseal	9	Sack(s)	50.00	450.00T
283	Salt	550	Lb(s)	0.25	137.50T
285	CFR-1	50	Lb(s)	6.00	300.00T
276	Flocele	50	Lb(s)	3.00	150.00T
581D	Service Charge Cement	200	Sacks	2.00	400.00
583D	Drayage	408.52	Ton Miles	1.00	408.52
	Subtotal				12,802.02
	Sales Tax Ness County			6.50%	657.38

We Appreciate Your Business!

Total

\$13,459.40



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

TICKET **35407**

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Hays, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Braveheart</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>05/04/22</u>	OWNER <u>Same</u>
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Pickrell Drilling</u>	RIG NAME/NO. <u>#10</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement Long String</u>	WELL PERMIT NO.		WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
575		1			MILEAGE #110	40	mi			7.00	280.00
578		1			Pump Charge - Long String	1	EA			1600.00	1600.00
290		1			D-Air	3	gal			42.00	126.00
281		1			Mud Flush	500	gal			2.00	1000.00
221		1			Liquid KCL	4	gal			25.00	100.00
403		1			Cement Basket 5 1/2"	1	EA			300.00	300.00
404		1			Port Collar 5 1/2"	1	EA			2500.00	2500.00
406		1			Latch Down Plug & Baffle 5 1/2"	1	EA			250.00	250.00
407		1			Insert Float Shoe w/Autofill 5 1/2"	1	EA			350.00	350.00
409		1			Turbolizer 5 1/2"	10	EA			100.00	1000.00

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.
[Signature]

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	AGREE	UNDECIDED	DISAGREE	Page 1	7506.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	
WE UNDERSTOOD AND MET YOUR NEEDS?				Page 2	5,296.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	12,802.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ness	657.38
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	13459.40
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR: *[Signature]* APPROVAL: _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 35407

CUSTOMER *Palomino Petroleum* WELL *Bracehart #1* DATE *05/04/22* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
330		2				<i>Swift Multi Density Std</i>	100	SKS			19.50	1950.00
325		2				<i>Standard Cement</i>	100	SKS			15.00	1500.00
284		2				<i>Calseal</i>	9	SKS			50.00	450.00
283		2				<i>Salt</i>	550	lbs			0.25	137.50
285		2				<i>CFR-1</i>	50	lbs			6.00	300.00
276		2				<i>Fluore</i>	50	lbs			3.00	150.00
581		2				SERVICE CHARGE <i>Cement</i>					2.00	400.00
583		2				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		1.00	408.52
							<i>20426</i>	<i>40</i>	<i>408.52</i>			

CONTINUATION TOTAL 5296.02

JOB LOG

SWIFT Services, Inc.

DATE: 05/04/22
 PAGE NO.: 1
 TICKET NO.: 35407

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DESCRIPTION OF OPERATION AND MATERIALS	
Palomina Petroleum		#1		Braveheart		Long String			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
	1230								On location w/float Equipment
									RTD - 4650' - LTD - 4650'
									Total Pipe - 4642.08' set at 4649'
									5 1/2" x 14 #
									SJ - 37.53'
									Centralizers - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 3
									Basket - Pin of 102
									P.C. - Top of 102' @ 2080'
	1315								Start casing w/FE.
	1530								Break circulation on Bottom.
	1630								Hook up to Swift
		2	7						Plug RT w/ 30 SKS
		5	12			500			Pump Mud Flush
		5	20			500			Pump KCL Spacer
			35			500			Start Cmt 700 SKS 500
			24			200			100 SKS EA 2 cmt
						Vac			Shut Down
						Vac			Drop Plug, Wash out Pump + Lines
	1715	8 1/2							Start Displacement
		8 1/2	85			500			Catch Cement
		7	110			900			Lift
	1730	6	112.5			1600			Land
	1740								Release Truck, Dry
	1800								Wash up
	1810								Pack up
									Job Complete
									Thanks
									Jon, Joel, ISAAC



PALOMINO PETROLEUM, INC.

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

Well Name: Braveheart 1
Well Id: 15-135-26167
Location: N2 NE SE SE Sec 4 T16S R26W
License Number: 30742
Spud Date: 4/27/22
Surface Coordinates: 38.686337; -100.192612
Region: Ness
Drilling Completed: 5/2/22

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2619 **K.B. Elevation (ft):** 2626
Logged Interval (ft): 3500 **To:** 4650 **Total Depth (ft):** 4650
Formation: Mississippian
Type of Drilling Fluid: Chemical based mud

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: Chad Counts
Company: MG Oil Inc.
Address: P.O. Box 162
Russell, Ks 67665

Comments

Braveheart #1 was drilled with Pickrell Drilling (Rig #10) rotary tools commencing 4-27-22, and total depth was reached 5-3-22.

The well ran structurally high as expected from two offsetting dry holes. Owing to the structural position, oil shows and the positive results of DST #1 in the Mississippian; it was elected by the operator to further test the well through 5 1/2" casing.

Respectfully submitted,

Chad Counts

Progress Report:

4/27/22 Moved in Pickrell Drilling Company, Inc. rotary tools (Rig #10). Spudded at 6:15 a.m. Ran 5 jts. new 8 5/8" 23# surface pipe set at 223' and cemented with 200 sacks H-325 2%cc, 3%gel. Cement did circulate. Plug down at 1:30 a.m. on 4/24/22.

4/28/22 Waiting on cement.

4/29/22 Drilling at 1905'.

4/30/22 Drilling at 3044'.

5/1/22 Drilling at 3832'.

5/2/22 Drilling at 4468'. DST #1: 4478-4553, 30-30-30-50, strong blow off bottom of bucket in 14 minutes on initial flow period (built to 26"), strong blow off bottom of bucket in 17 minutes on final flow period (built to 23"), rec. 650' gas in pipe, 92' oil, 62' oil cut mud (30% oil, 70% mud), 310' oil cut mud (20% oil, 80% mud), 116' slightly watery cut mud (15% water, 85% mud), FP44-167; 164-233; SIP 1186-1177; HP 2204-2151.

5/3/22 TD well at 4650.

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:03:17
 Tester: Leal Cason
 Time Test Ended: 06:10:02
 Unit No: 72

Interval: 4478.00 ft (KB) To 4553.00 ft (KB) (TVD)
 Total Depth: 4553.00 ft (KB) (TVD)
 Reference Elevations: 2626.00 ft (KB)
 Hole Diameter: 7.88 Inches Hole Condition: Good
 KB to GR/CF: 7.00 ft
 2619.00 ft (CF)

Serial #: 8365 Outside
 Press@RunDepth: 233.40 psig @ 4550.00 ft (KB)
 Capacity: psig
 Start Date: 2022.05.02 End Date: 2022.05.03 Last Callb.: 2022.05.03
 Start Time: 20:58:00 End Time: 06:10:02 Time On Btm: 2022.05.03 @ 00:02:47
 Time Off Btm: 2022.05.03 @ 02:32:17

TEST COMMENT: IF: Strong Blow, BOB in 14 minutes, Built to 26"
 Ist No Blow
 FF: Strong Blow, BOB in 17 minutes, Built to 23"
 FSt 4.76" Blow

Pressure vs Time

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.12	111.71	Initial Hydro-static
1	43.68	111.21	Open To Flow (1)
31	167.43	112.56	Shut-In(1)
63	1185.83	115.36	End Shut-In(1)
63	164.06	115.08	Open To Flow (2)
95	233.40	116.57	Shut-In(2)
149	1176.80	120.53	End Shut-In(2)
150	2150.57	120.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	650 GIP	0.00
116.00	SWCM 15%W 85%M	0.57
310.00	OCM 20%O 80%M	4.35
62.00	OCM 30%O 70%M	0.87
92.00	Clean Oil	1.29

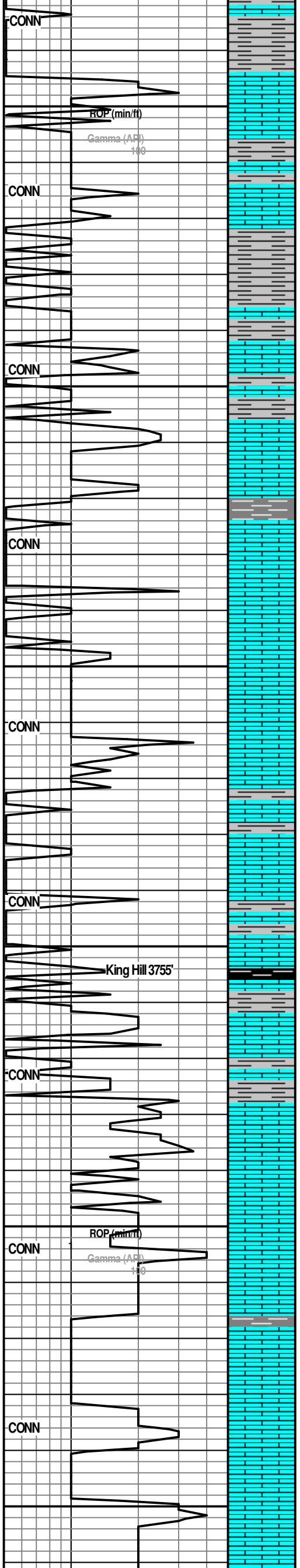
Gas Rates

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

ROCK TYPES

	Anhy		Coal		Igne		Mrlst
	Bent		Oolitic limestone		Dark grey shale		Salt
	Brec		Congl		Black shale		New symbol
	Cht		Dol		Lmst		Shale
	Clyst		Gyp		Meta		Shcol
							Shgy
							Sltst
							Ss
							Till

Curve Track 1 ROP (min/ft) Gamma (API)	Lithology	Oil Shows	MD	DST	Straddle DST	Porosity Type	Image	Geological Descriptions	Remarks
		<p>Oil Shows</p>	<p>MD</p>	<p>DST</p>	<p>Straddle DST</p>	<p>Porosity Type</p>	<p>Image</p>	<p>30% Shly Ls: lt grey cream, fn-micro xln, hvy arg, brittle, occ mottled plant mat, no vis por, NSOC. 70% Sh: med grey, sub platy, soft non calc.</p> <p>40% Shly Ls: lt grey-cream, micro xln, mod marl, hvy arg, r fossil frag, no vis por, NSOC. 60% med-dk grey shale, sub platy, firm sl. carb.</p> <p>80% Ls: cream-tan, v lt grey, micro xln, mod-hvy marl, sl arg, no vis por, litho text, NSFOC, 20% med-dk grey shale, firm sub platy-platy, occ. pyrite.</p> <p>60% Ls: cream, lt grey-grey, micro xln, fair marl, occ arg, dense-occ brittle, occ fossil frag, occ. mottled w/plant matter no vis por, NSOC. 40% SH: lt-med grey, sub platy-platy.</p> <p>30% Ls: lt grey, cream, micro xln, hvy arg, occ fossil frag, fusulinids, no vis por, NSOC. 70% Lt grey shale, firm platy-subplaty, calcareous, occ. fossil frag.</p>	<p>4/30/22 @ 8:00pm Geologist on location.</p>



60% Ls cream, lt grey, micro xln, trc. fossil hash w rare scat pp vugs, poor sec por, mod, NSOC. 40% lt-med grey shale, sub platy, mod calc.

30% Ls: cream, tan, lt brown, micro xln, trc fossil hash a/a, mostly dense, no vis por, NSOC. 70% med-dk grey shale, sub platy-platy, sl calc, smooth, non silty.

20% Ls: cream, lt grey, beige, micro xln, sl marl, sl arg, dense, no vis por, trc fossil frag, NSOC. 80% med-dk grey shale, sub platy, mod firm, non silty.

50% Ls: off white, lt grey, cream, fine-micro xln, mod marl, brittle, no vis por, r fossil frag, NSOC, 50% sh: lt-dk grey, calc, sub platy-platy, mod firm.

50% Ls: lt grey, cream, micro xln-fn xln, mod arg, occ mottled w/plant mat, r fossil frag, NSOC. 50% med grey shale.

75% Ls: cream, lt grey, lt brown, micro xln, litho text, occ. fossil frag, mod arg, no vis por, NSOC. 25% shale: med grey, sub platy, mod calc.

Shaly ls & ls: grey-lt grey, cream, tan, buff, micro xln-fn xln, few cuttings w/ r scat pp vugs, mod marl, occ. hvy arg, occ. plant mat, NSFOC,

MW 8.8
VIS 61
1# LCM

80% Ls: cream, off white, light grey, micritic-fn xln, mod-hvy marl cont, earth tex, rare scat pp vug, v poor sec por, NSOC/ 20% med grey shale, subplaty, mod firm.

Ls: cream, tan, 20% oolitic, 175-250 microns, occ. r pp vug, poor sec por, well std, mod marl, rem dense, scat mot plant mat, micro xln. <5% dk grey-blk shale, subplaty, firm, mod carb.

MW 8.8
VIS 61
1# LCM

Ls: cream, lt brown, beige, micro xln-fn xln, earth tex, occ. hvy mottled plant mat, sact fossil frag, fusulinids, crinoids, NSOC. <5% Black shale.

MW 8.8
VIS 62
1# LCM

Ls: cream, tan, lt grey, micro xln, r fn xln, occ. mottled plant mat, mostly dense litho tex, sl marl, no vis por, NSOC.

Mudco check:
MW 8.9
Vis 60
Filtrate 6.0
Chloride 2100PPM
2# LCM

Ls: cream, grey, beige, micro xln, mod mottled plant, mod marl cont, abndt fusulinids, occ. packstone, no vis por, NSOC.

Ls: lt grey, cream, fn xln, mod mottled w/ plant mat, earth tex occ. fossil frag, nsoc.

Ls: lt grey, cream, off white, occ. mottled a/a, vf xln-micro xln, mod marl, occ. fossil frag, dense, rare scat pp vug, NSOC. Trc med-dk grey shale.

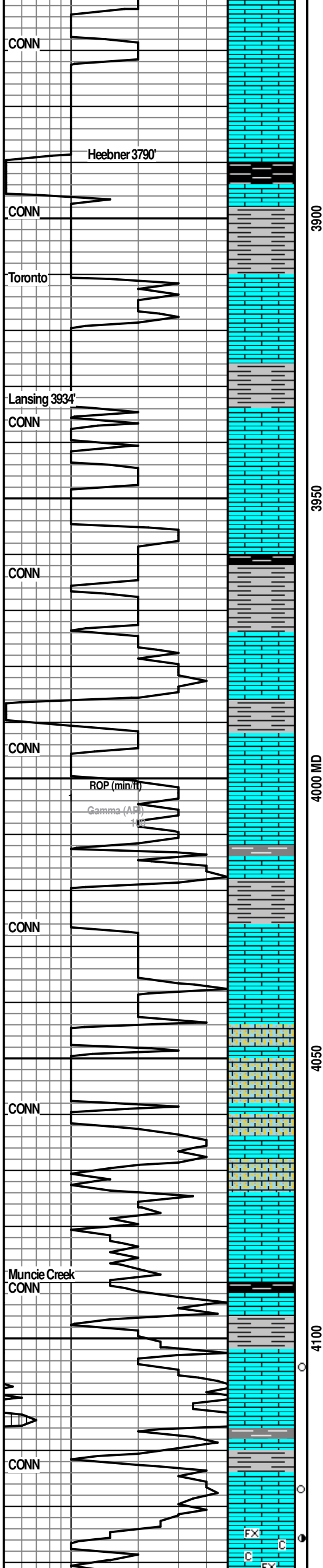
Ls: off white, lt grey, cream, fn xln, occ. fossil frag, mottled a/a, mod brittle and dense, mod-hvy marl, no vis por, NSOC.

Ls: cream-lt grey, off white, mod heavy marl, occ. fossil frag, most desne, NSOC.

Ls: cream, lt grey, fn xln, mod-hvy marl, svrl fossil clast, mod-hvy mottled plant mat, hvy marl, trc chert, no vis por, NSOC.

MW 8.9
Vis 60
2# LCM

Ls: cream, grey, micro xln, mod-hvy marl, trc oolitic, 250 microns, mod well std, v poor-no sec por, NSOC.



Ls: cream, off white, micro-fn xln, v brittle, v heavy marl (white wash), no vis por, trace fossil frag and plant mat, NSOC.

Ls: cream, white, fn xln, fair scattered vuggy por filled w hvly marl (white wash), trc fossil frag, NSOC.

Ls: cream, lt grey, micro xln, occ scat fossil frag, dense, hvly marl (white wash), poor-no vis por, NSOC.

20% Black shale w/ dk brown tint, firm platy, carb, sl. calc. Ls: cream, beige, fn xln, occ. good vuggy por, significantly less marl, occ fossil frag, NSOC.

90% Shale: light grey, sl gritty, mod firm, platy-sub platy, sl calc. 10% Ls: cream, beige, dense, micro xln, NSOC.

Ls: cream, off white, micro xln, v dense, mod marl, no vis por, trc fossil frag, NSOC.

Ls: cream, off white, micro xln, poor-no vis por, dense, mod-hvly marl. 10% med-dk grey shale.

Ls: cream, micro xln-vfn xln, r scat pp vug, occ fossil frag, most dense, NSOC. 20% shale, brick red (soft), light-med green grey.

Ls: cream, micro xln, lith tex, sharp even fracture, cherty (off white/semi translucent), very dense, occ fusulinids, sl marl, no vis por, NSOC.

Ls: cream, off white, micro xln, no vis por, sl marl, sl cherty, occ fossil frag, fusulinids, rare scat pp vug. NSOC. 10% Dark grey-black shale, firm, platy, mod carb.

MW 8.9
VIS 60
2# LCM

75% Shale: light grey-green grey, soft, non platy-sub platy, brick red shale: non platy, soft. 25% Ls: cream, off white, trace oolitic, <250 microns, well st, mod marl, NSOC.

Ls: cream, tan, off white, micro xln-vfn xln, trc oolitic ls a/a, mod brittle, no vis sec por, NSOC.

Sh: brick red, mod soft, smooth, non silty, trc grey green. Ls: cream, micro-fn xln, occ. pp vugs, cherty (clear-burnt orange, translucent), NSOC.

Ls: cream, lt-med grey, dense, mod arg, mod marl, rare vfn scat vuggy por, NSOC.

Ls: cream, tan, fn xln, occ fair pp vuggy por, brittle, sl marl, sl cherty, NSOC. Sh: teal-grey, soft smooth, sub platy.

Ls: lt grey, tan, lt brown, micr xln-fn xln, trc oolitic grainstone, lt brown ooids, 250-350 microns, well std, no vis sec por, NSOC. <5med-dk grey platy shale.

MW 8.8
VIS 60
2# LCM

Ls: cream, off white, micro xln, v heavy marl, trc oolitic gs (1%), 500 microns, well std, no vis sec por, NSOC.

Ls: cream, off white, fn xln, fair micro vuggy por, mod-hvly marl (white wash), sl. cherty, NSOC.

Oomoldic ls: lt brown-cream, micro xln matrix, ooid voids 500-600 microns, well std, non arg, v sl marl, NSOC.

Oolitic ls: cream, micr xln matrix, oomoldic voids 400-600microns, occ uneven/sctd, few cuttings with no sec por, NSOC.

Oolitic ls, very poor oomoldic por, mod-well st, 500-700 microns. 70% dense micritic ls no vis por, NSOC.

Ls: lt grey, cream, beige, occ oolitic a/a, mostly micritic, no vis por, nsoc. 5% black shale, firm sub platy, mod carb.

MW 9.0
Vis 60
1# LCM

Ls: light grey, beige, micro xln-v fn xln, v dense, no vis por, occ fossil frag, mod arg. 5% black shale a.a.

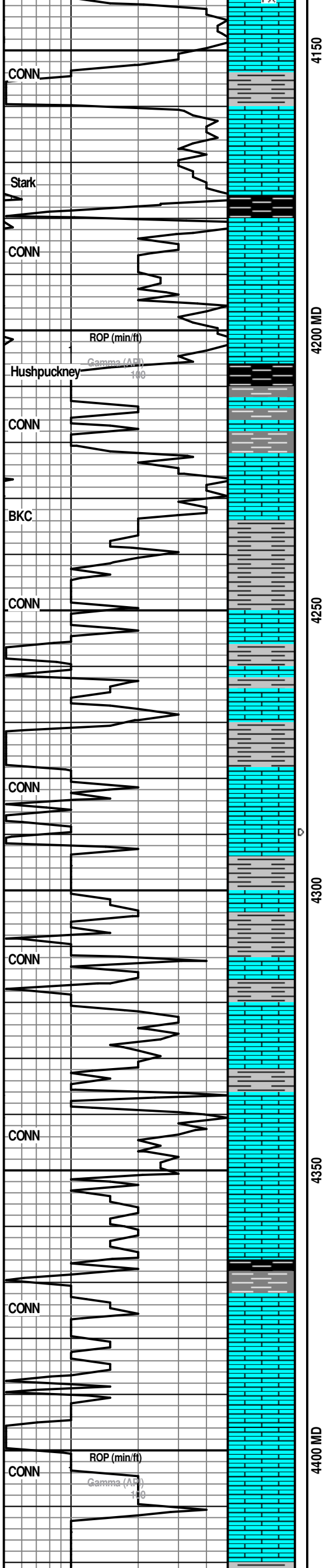
KC H porosity (4103-4105'): Ls cream-lt brown, very fine xln, very scattered micro vuggy porosity associated w/ light spotted staining, no free oil, weak odor.

Ls: cream-lt grey, micro xln, no vis por, occ ool grainstone, no sec por, v dense, NSOC. 10% med grey shale, v platy, mod firm.

Top KC I show: Ls, lt grey, micro xln matrix, scattered randomly distributed 200 micron vugs, tight, scattered stain, two cutting w/ vssfo, faint odor.

KC I porosity: cream, lt grey, fn xln, scattered pp vugs, brittle, mod-hvly marl cont, poor vis por, patchy stain, vssfo, faint odor. 2 cuttings found with fair scattered porosity,

MW 9.0
VIS 50
1# LCM



and fsfo upon crush.

Ls: cream, lt brown, micro xln, occ. fossil hash, no vis sec por, mod marl cont, NSOC.

Sh: blue grey, grey, subplaty-platy, sl firm, non silty. Ls: lt brown, cream, sl arg, fine xln, brittle, poor vis por, NSOC.

Ls: cream, tan, off white, micro xln, dense, no vis por, trc fossil frag, NSOC.

Flood black shale (25%), jet balck, very platy, very carb, sl. calc. Ls: cream, buff, micro xln, sl. marl, no vis por. NSOC.

Ls: light grey, cream, micro xln, occ. pack stone, <200micron clasts, very poor to no sec por, dense. occ. sl arg, sl chery (white) NSOC. Sh: med grey, platy/splintery, brittle.

Ls: lt grey-cream, micro xln, non arg, no vis por, sl cherty, v dense. NSOC.

Flood black shale (20%), firm, platy, carb. Ls: cream, lt grey, micro xln, 10% chert (white-light grey (semi translucent), NSOC.

Black shale:, firm platy, carb a/a. Grey shale, firm sub platy, sl calc. Grey, buff, micr xl, litho text, sl. arg, NSOC.

Ls: light grey, cream, micro xln, dense, no vis por, trc fos frag, NSOC.

Ls: light grey, cream, mod arg, dense, occ scat fos, mod marl, no vis por, NSOC. Light grey shale, firm, calcareous, subplaty.

Calcareous shale/shaly Ls: med-dk grey brown, dense, highly arg, sl carb, litho tex, no vis por.

50% Shaly Ls a/a. 30% Light grey shale, soft smooth, sub platy-non platy, gummy. 20% Ls cream, micro xln, dense, no vis por.

50% Light grey blue shale, gritty, blocky, calcareous, mod firm. Ls: grey-cream, micro xln, dense, occ mottled w/ purple shale, no vis por, NSOC.

60% shale, blue grey a/a, grey, rusty brown, firm-soft, sub platy. 40% Ls: cream, off white, micro xln, sl. marl, NSOC.

75% shale, various colors and textures. 25% Ls: white-cream, tan-buff, micro xln, trc marl, dense, NSOC.

50% Ls: cream, grey,tan, micro xln, very dense, litho-glassy tex, sharp cleavage, no vis matrix por, 2-3 cuttings w/ dead edge stain, no free oil or odor.

Ls: light grey, tan, micro xln, r. pp vug, sl marl, sl arg, NSOC. 30% grey shale.

50% shale: brick red, grey, occ mottled, mod firm, sl. calc. 50% Ls: light grey, cream, occ. r pp scat vugs, no vis matric por, dense, NSOC.

Ls: cream, tan, micro xln, occ. fractured, very dense, sharp cleavage, no vis por, NSOC. 10% Maroon subplaty shale.

Ls: cream, off white, micro xln, no vis por, dense, NSOC.

Ls: light grey-grey, micro xln, litho text, no vis por, dense, NSOC. 5% Teal shale, platy, mod firm, sl calc.

Ls: light-medgrey, micro xln-fn xln, mod arg, dense, lith text, no vis por, NSOC.

Ls: light grey, micro xln-fn xln, sl. arg, dense, lith text, no vis por, NSOC.

Ls-shly ls: lt-med grey, micro-fn xln, mod-hvy arg, dense, hard, no vis por, NSOC. Sh: med-dk grey, subplaty firm.

Ls: lt grey-cream, micro xln, mod-hvy arg, no vis por, NSOC. Sh: med grey, sup platy-platy, mod firm.

Shly ls: micro xln-occ fn xln, v arg, sl cherty (lt gray, opaque), no vis por, NSOC.

Calcareous shale: med grey, firm, dense, platy, v calcareous.

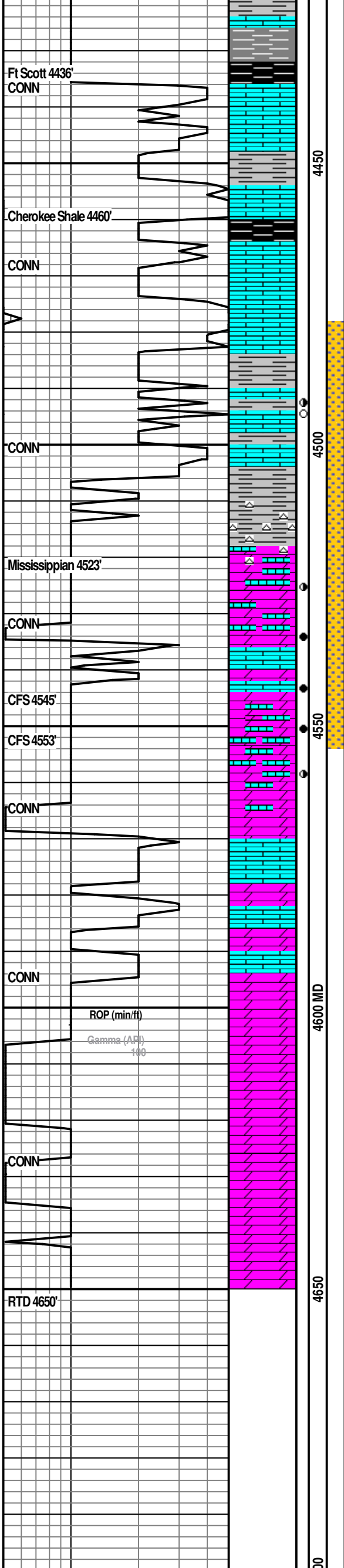
Calcareous shale/shly ls: med grey, firm, dense, occ. v hard and w cemented, no vis por NSOC.

60% calcareous shale a/a. 40% Dk grey shale, mod firm, subplaty-platy, mod firm.

1# LCM

MW 9.1
Vis 60
2# LCM

Mudco check:
MW 9.3
VIS 47
Filtrate 6.0
Chloride 2100ppm
2# LCM



subplaty-platy, sl. carbonaceous.

Flood black shale (80%): firm, smooth, platy, mod carbonaceous, sl. calc. Ls: beige-lt grey, micro xln, occ. fossil clasts (ostracods?), v r pp vug, no vis matrix por, NSOC.

Ls: lt grey, beige, lt brown, micro xln, sharp cleavage, r scattered pp vug, mod arg, no vis matrix por, NSOC.

Ls: lt grey-off white, micro xln, v dense, sharp cleavage, occ. arg, <1% fossil hash (ostracods), no vis sec por, NSOC.

25% Black shale: firm, platy, v carb. 10% maroon-purple mottled shale and grey shales. Ls: Buff, lt grey, beige, off white, v sl marl, dense, sl arg, sharp cleav, litho tex, v poor por, NSOC.

Ls: cream-off white, dense, litho tex, sl. marl, occ scat individual pp vug, no vis matrix por, NSOC.

Sh: light grey-green, waxy, platy, grey, maroon, red, non silty. Ls: beige-brown, micro xln, dense, no vis por. 2 cuttings found w/scattered vuggy edge porosity, very dense, slight partial sat and stain, no odor.

Various colored shales, black, maroon, light green. Ls: cream, off white, micro xln, no vis por, NSOC.

Sh: med dk grey, teal, grey. Ls: creamy white, few dolomitic ls, tight, no vis por, sl. marl, NSOC. Abdnt yellow semi translucent chert.

4545' stop (lag to 4525') Various shales, ls, and dolo ls. 5% Dolomitic ls, sctd edgy vuggy por, few cuttings weven por, heavy black stain, ssfo, fair odor.

20" sample: 95%ls: off white cream, fn xln-micritic, no vis por, NSOC. 5% Dolomite: light brown, even vuggy por, random 350-600micron vugs, light brown stain and saturation, fair-food odor, FSFO.

40" 50% dolomite: lt-med brown, good vuggy por, 350-500' micron vugs, good even saturation and stain, f-gsfo, v strong odor.

60" 30% dolomite: excellent vuggy porosity (up to 700microns), even sat and stn, strg od, FSFO-GSFO

4553' 40"-50% Dolo: fair-good vuggy por, occ dolo ls, fair even stain, light even sat, good od.

60" - 30-40% dolomite: fair vuggy porosity, occ scattered, partially dolo ls, fair-gsfo, good odor.

Lag 4555': 5% dolo-dol-ls, fn xln, fair scat vuggy por, light even stain and sat, fair odor.

Lag 4564': 10-20% dolo: beige, cream, lt brown fn xln, poor-fair scattered pp vuggy por, trace-weak scat sat stain, vssfo, faint-fair odor.

Lag to 4582': dolo-ls-white, beige, fn xln, occ scat pp vugs, hvly marl (white wash), NSOC, strong sulfur odor.

Lag to 4595': dolomitic ls-ls, cream, off white, micro xln-fn xln, sparty tex, poor vuggy por, NSOC.

Lag to 4626': Ls-dolo ls, cream, off white, fn xln, sparty tex, poor-fair inxl por, sl marl cont, cherty (white, opaque), NSOC.

Lag to 4650': Dolomite: white-cream, fn xln, sparty tex, poor vuggy por, cherty (white-semi translucent), abdnt marl, NSOC.

MW 9.1
Vis 65
2# LCM

DST #1
Mississippian
4478-4553'
30-30-30-50

IFP:44-167psi
Blow to 26"

ISIP:1186psi
No return

FFP: 164-233psi
Blow to 23"

FSIP: 1177psi
4.76" return

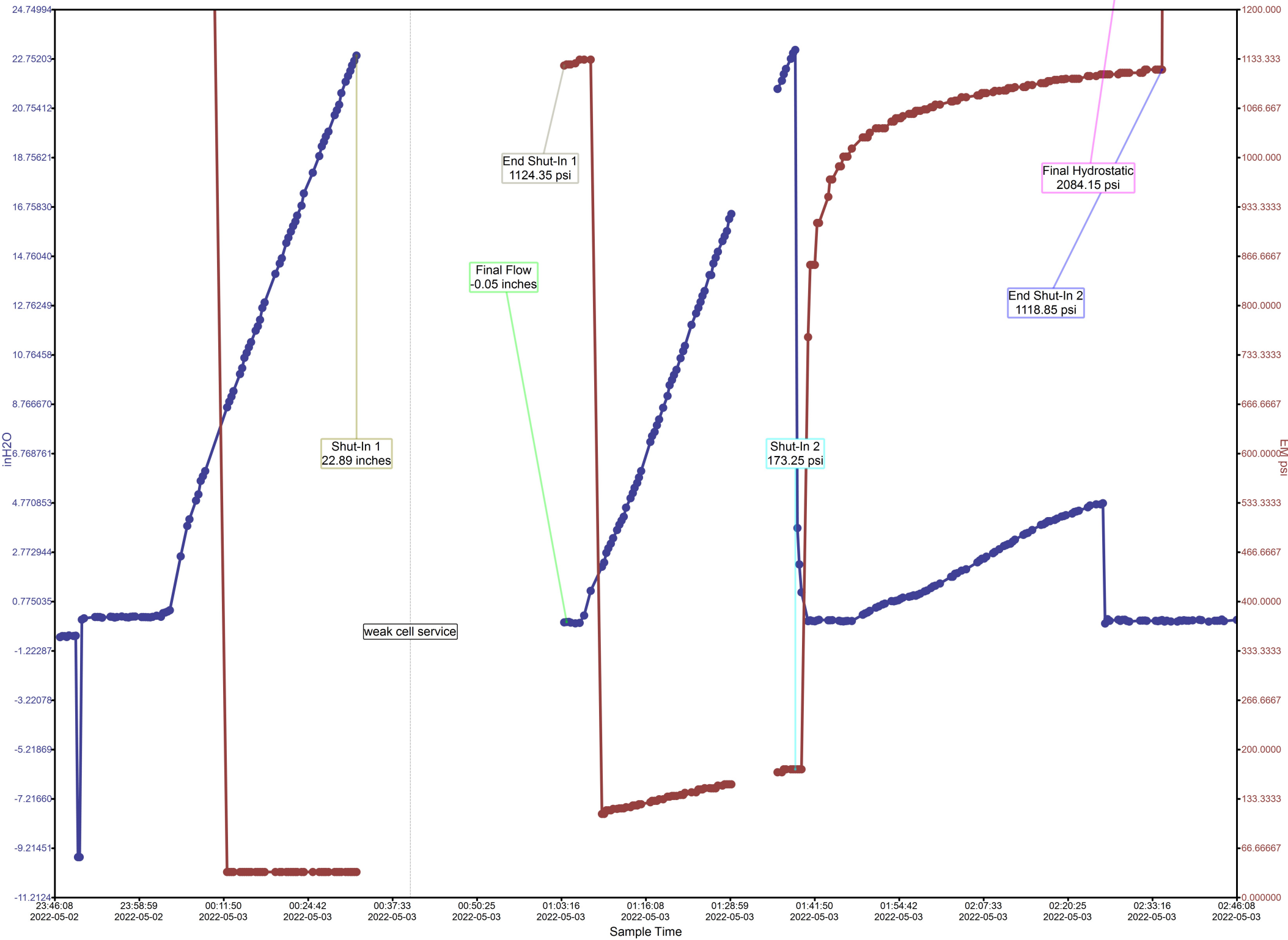
Recovered:
650' GIP
92' Oil
62' OCM (30%O)
310' OCM (20%O)
116' SWCM (15%W)
Gravity=37.7

MW 9.0
Vis 55
2# LCM

Mudco check:
MW 9.0
VIS 55
Filtrate 5.8
Chloride 2400ppm
2# LCM

MW 9.2
Vis 54
2# LCM

Palomino Petroleum - Braveheart 1 - DST 1



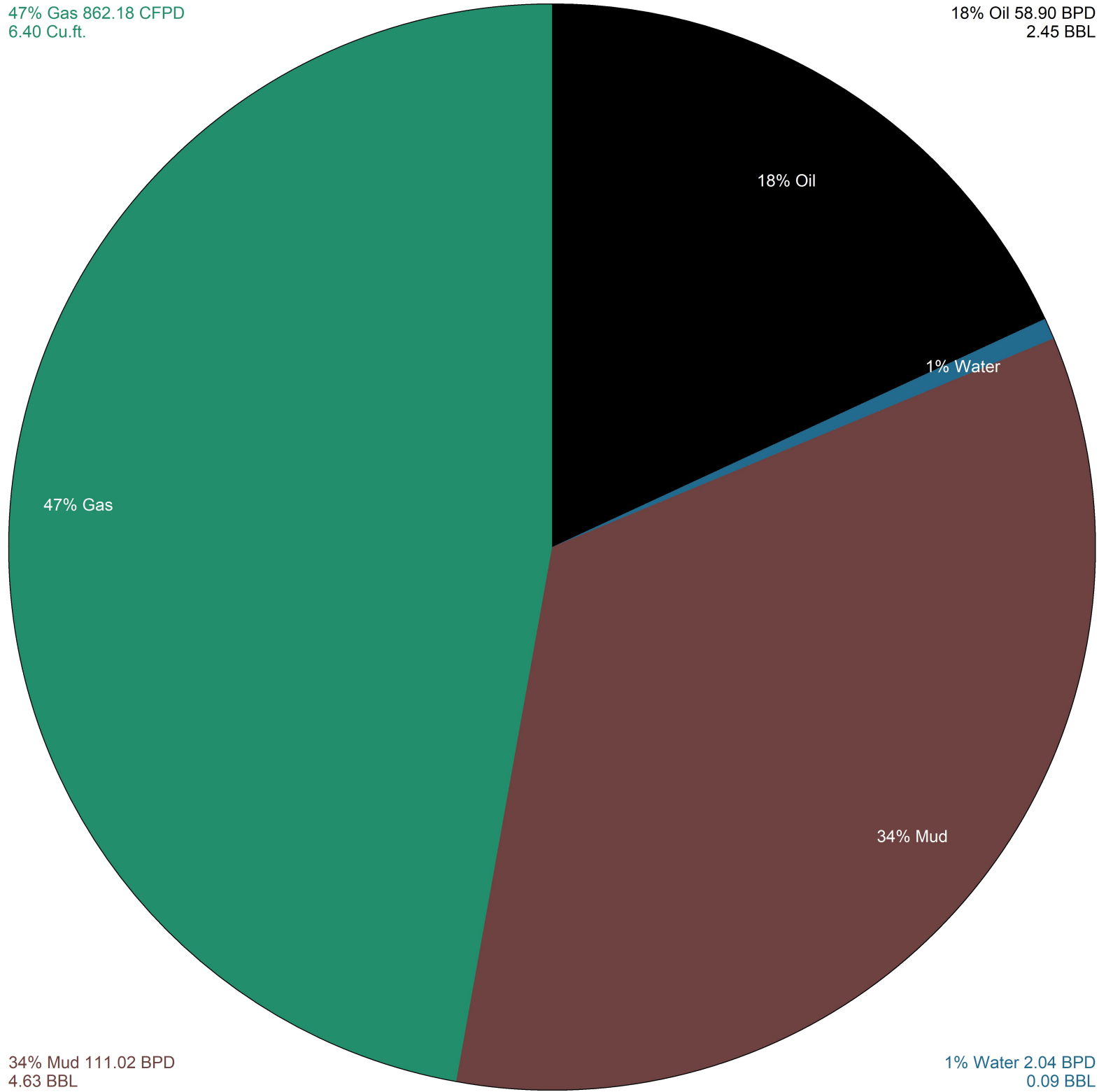
Calculated Recovery Analysis - Palomino Petroleum - Braveheart 1 - DST 1

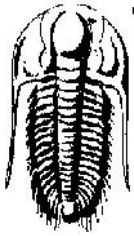
47% Gas 862.18 CFPD
6.40 Cu.ft.

18% Oil 58.90 BPD
2.45 BBL

34% Mud 111.02 BPD
4.63 BBL

1% Water 2.04 BPD
0.09 BBL





**TRILOBITE
TESTING, INC.**

DRILLING CONTRACT REPORT

Well Name: 4-16S-26W Ness

4-16S-26W Ness

Well ID: 42404114

Braveheart 1

Well ID: 5430

DST#: 1

Well Type: TD

Test Date: 2022:05:02 20:50:00

Well Status: RM

Location: Mississippi

Driller: [Name]

Test Type: [Type]

Test Interval: 00:03:10

Test No: [No]

Test Start: 00:10:02

Test No: 2

Interval: 4478.00 ft (KB) To 4553.00 ft (KB) (TVD)

Rate: 202:00 [Unit]

Total Depth: 4553.00 ft (TVD)

Rate: 201:00 [Unit]

Driller: [Name]

Rate: 00 [Unit]

Serial #: 6752 Outside

Driller: [Name] 4550.00 ft (TVD)

Well ID: [ID]

Test Date: 2022:05:02

Test Date: 2022:05:03

Test Date: 2022:05:03

Test Time: 20:50:01

Test Time: 00:10:02

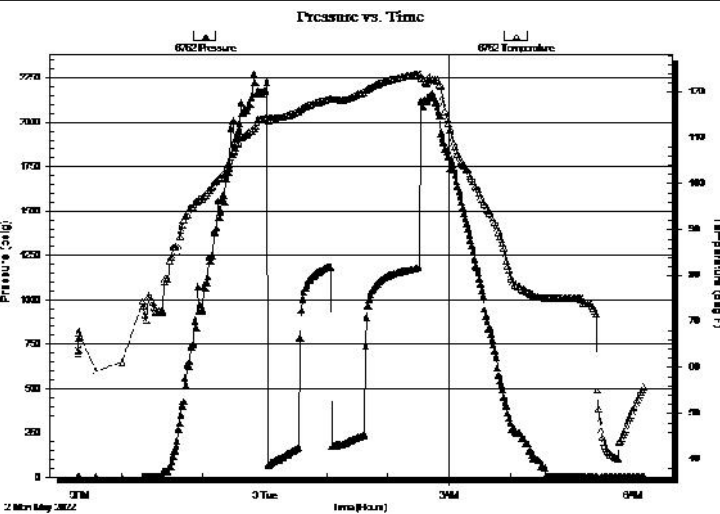
Test Type: [Type]

Test Interval: 00:03:10

Test No: [No]

Test Interval: 00:01:23"

Test No: [No]



Rate: [Rate]

Test ID	Driller	Test Date	Test Time
[Value]	[Value]	[Value]	[Value]

Rate: [Rate]

Rate: [Rate]

Time	Driller	Rate
0:00	50 [Unit]	0:00
11:00	M 15 M 5 M	0:50
31:00	M 20 M 0 M	4:35
02:00	M 30 M 0 M	0:00
02:00	[Value]	1:20

[Value]	[Value]	[Value]
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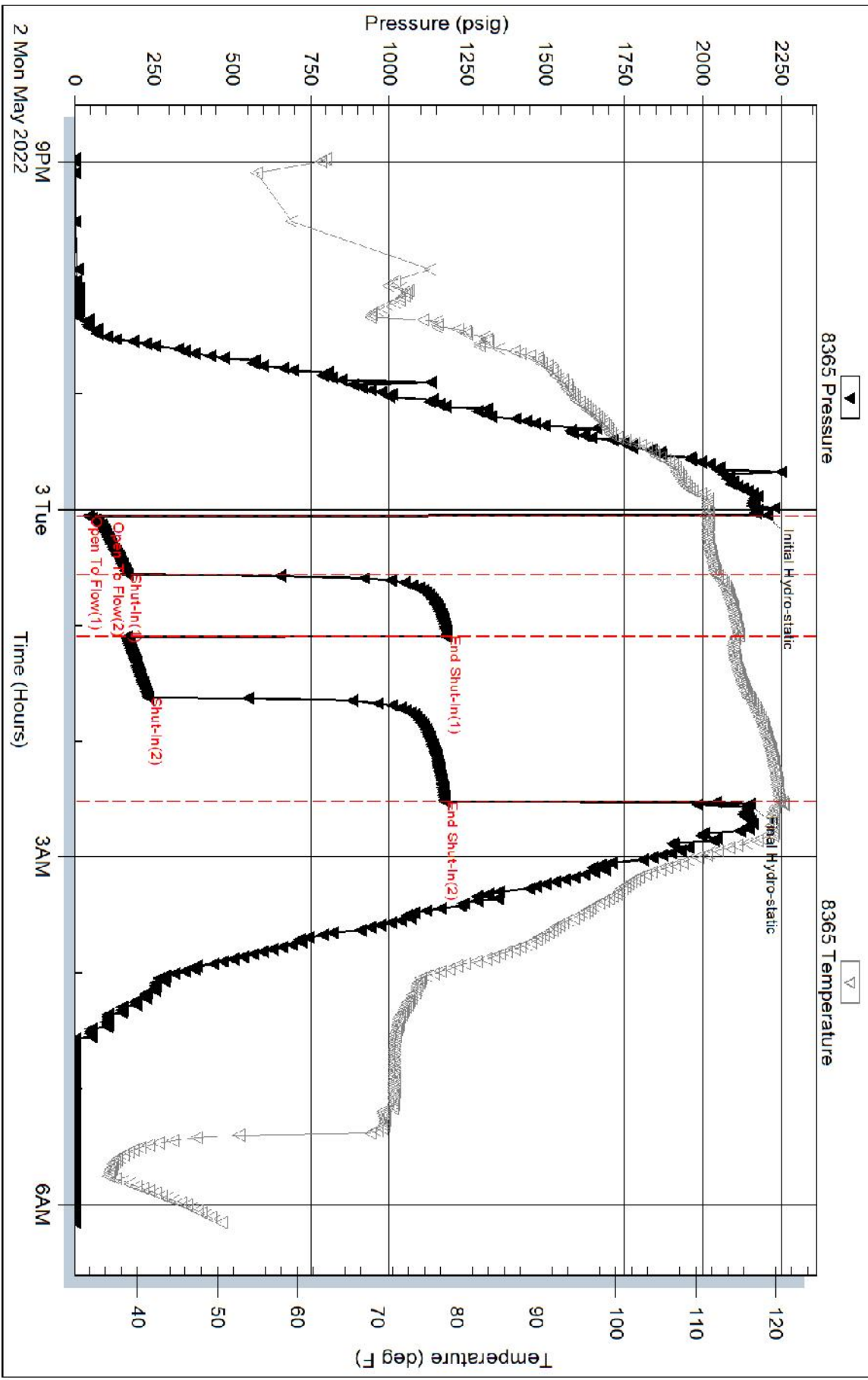
Serial #: 8365

Outside Palomino Petroleum Inc

Braveheart 1

DST Test Number: 1

Pressure vs. Time

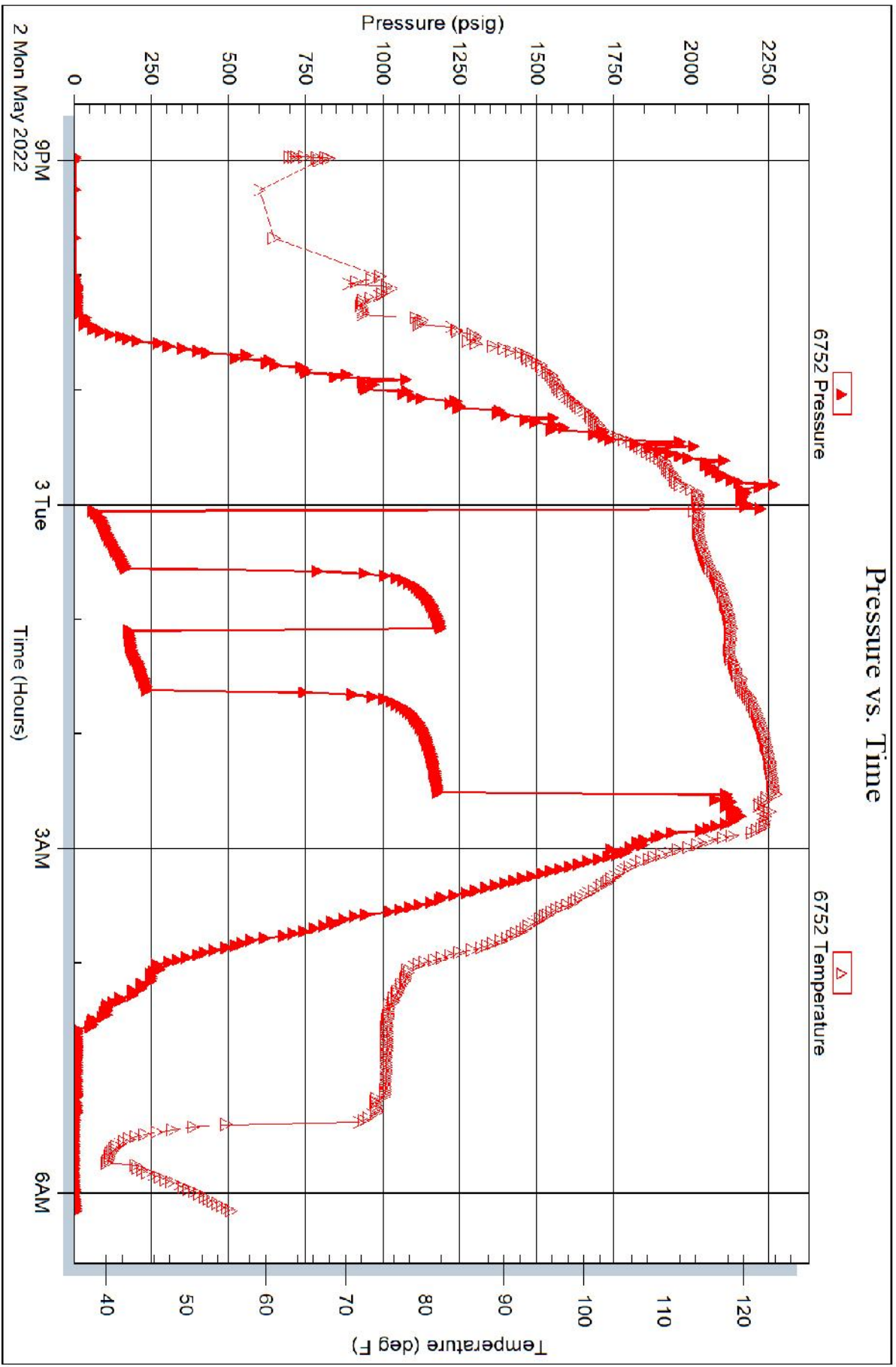


Serial #: 6752

Outside Palomino Petroleum Inc

Braveheart 1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Chad Counts

Braveheart #1

4-16S-26W Ness,KS

Start Date: 2022.05.02 @ 20:58:00

End Date: 2022.05.03 @ 06:10:02

Job Ticket #: 65430 DST #: 1

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

Printed: 2022.05.05 @ 12:10:17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc

4-16S-26W Ness,KS

4924 SE 84th St
New ton, KS 67114

Braveheart #1

Job Ticket: 65430

DST#: 1

ATTN: Chad Counts

Test Start: 2022.05.02 @ 20:58:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:03:17

Time Test Ended: 06:10:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 72

Interval: 4478.00 ft (KB) To 4553.00 ft (KB) (TVD)

Reference Elevations: 2626.00 ft (KB)

Total Depth: 4553.00 ft (KB) (TVD)

2619.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8365 Outside

Press@RunDepth: 233.40 psig @ 4550.00 ft (KB)

Capacity: psig

Start Date: 2022.05.02

End Date:

2022.05.03

Last Calib.:

2022.05.03

Start Time: 20:58:01

End Time:

06:10:02

Time On Btm:

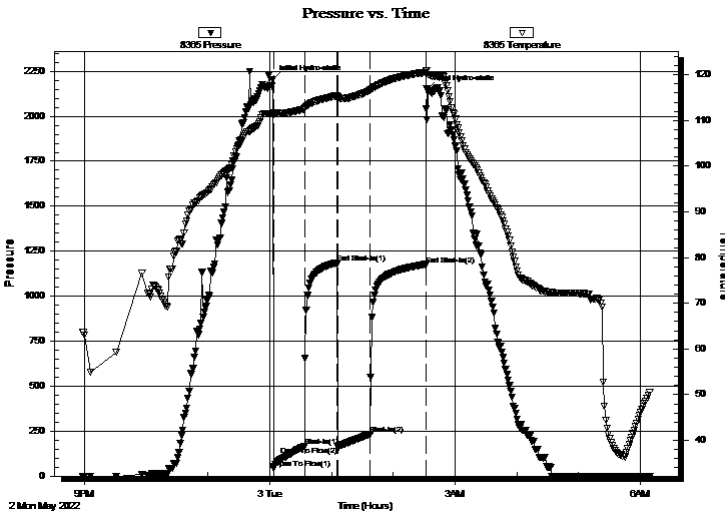
2022.05.03 @ 00:02:47

Time Off Btm:

2022.05.03 @ 02:32:17

TEST COMMENT: IF: Strong Blow , BOB in 14 minutes, Built to 26"
IS: No Blow
FF: Strong Blow , BOB in 17 minutes, Built to 23"
FS: 4.76" Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.12	111.71	Initial Hydro-static
1	43.68	111.21	Open To Flow (1)
31	167.43	112.56	Shut-In(1)
63	1185.83	115.36	End Shut-In(1)
63	164.06	115.08	Open To Flow (2)
95	233.40	116.57	Shut-In(2)
149	1176.80	120.53	End Shut-In(2)
150	2150.57	120.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
116.00	SWCM 15%W 85%M	0.57
310.00	OCM 20%O 80%M	4.35
62.00	OCM 30%O 70%M	0.87
92.00	Clean Oil	1.29
0.00	650 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

4-16S-26W Ness,KS

4924 SE 84th St
New ton, KS 67114

Braveheart #1

Job Ticket: 65430

DST#: 1

ATTN: Chad Counts

Test Start: 2022.05.02 @ 20:58:00

Tool Information

Drill Pipe:	Length: 4340.00 ft	Diameter: 3.80 inches	Volume: 60.88 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 61.45 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4478.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.00 ft				
Tool Length:	105.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4453.00	
Hydraulic tool	5.00			4458.00	
Jars	5.00			4463.00	
EM Tool	3.00			4466.00	
Safety Joint	3.00			4469.00	
Packer	5.00			4474.00	30.00 Bottom Of Top Packer
Packer	4.00			4478.00	
Stubb	1.00			4479.00	
Perforations	6.00			4485.00	
Change Over Sub	1.00			4486.00	
Drill Pipe	63.00			4549.00	
Change Over Sub	1.00			4550.00	
Recorder	0.00	8365	Outside	4550.00	
Recorder	0.00	6752	Outside	4550.00	
Bullnose	3.00			4553.00	75.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

4-16S-26W Ness,KS

4924 SE 84th St
New ton, KS 67114

Braveheart #1

Job Ticket: 65430

DST#: 1

ATTN: Chad Counts

Test Start: 2022.05.02 @ 20:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.7 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
116.00	SWCM 15%W 85%M	0.570
310.00	OCM 20%O 80%M	4.348
62.00	OCM 30%O 70%M	0.870
92.00	Clean Oil	1.291
0.00	650 GIP	0.000

Total Length: 580.00 ft Total Volume: 7.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

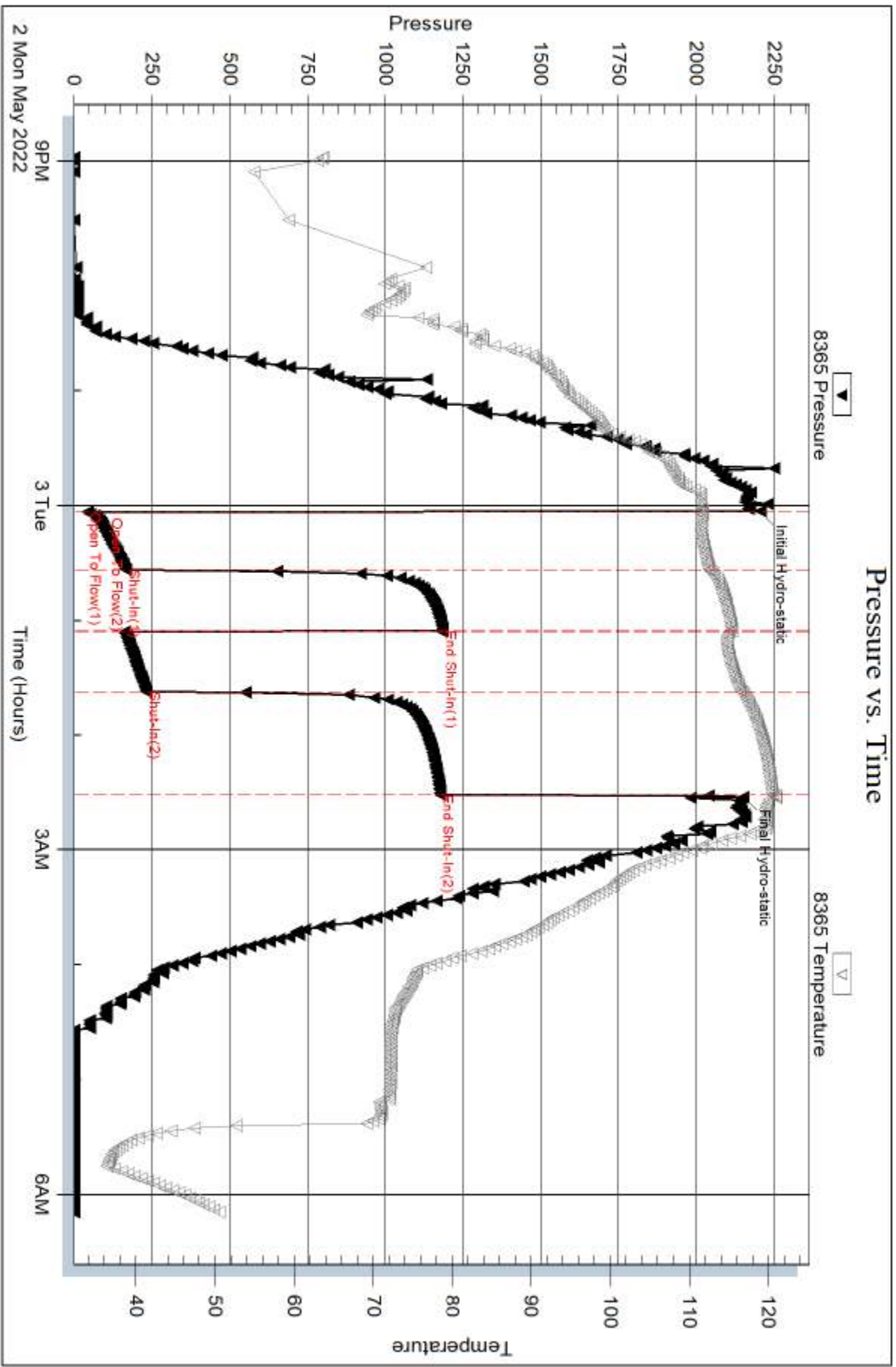
Recovery Comments: Gravity w as 35.9@ 42 degrees

Serial #: 8365

Outside Palomino Petroleum Inc

Braveheart #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65430

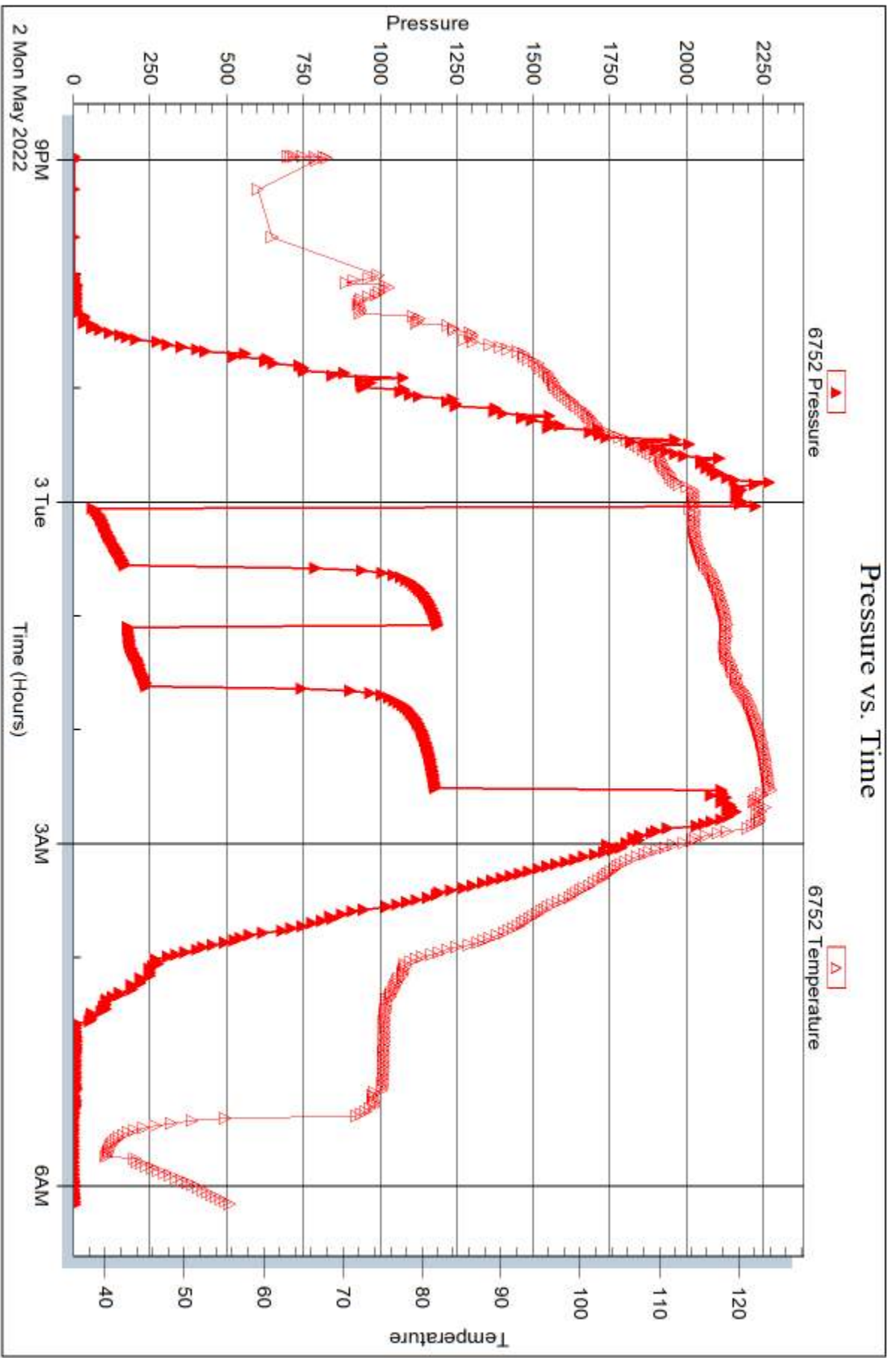
Printed: 2022.05.05 @ 12:10:18

Serial #: 6752

Outside Palomino Petroleum Inc

Braveheart #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65430

Printed: 2022.05.05 @ 12:10:18



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Chad Counts

Braveheart #1

4-16S-26W Ness,KS

Start Date: 2022.05.03 @ 20:17:00

End Date: 2022.05.04 @ 03:29:02

Job Ticket #: 65431 DST #: 2

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

Printed: 2022.05.05 @ 12:09:43



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Chad Counts

4-16S-26W Ness, KS

Braveheart #1

Job Ticket: 65431

DST#: 2

Test Start: 2022.05.03 @ 20:17:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:48:02

Time Test Ended: 03:29:02

Interval: 4552.00 ft (KB) To 4575.00 ft (KB) (TVD)

Total Depth: 4650.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Reset)

Tester: Leal Cason

Unit No: 72

Reference Elevations: 2626.00 ft (KB)

2619.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6752 Outside

Press@RunDepth: 69.85 psig @ 4575.00 ft (KB)

Start Date: 2022.05.03

End Date:

2022.05.04

Start Time: 20:17:01

End Time:

03:29:02

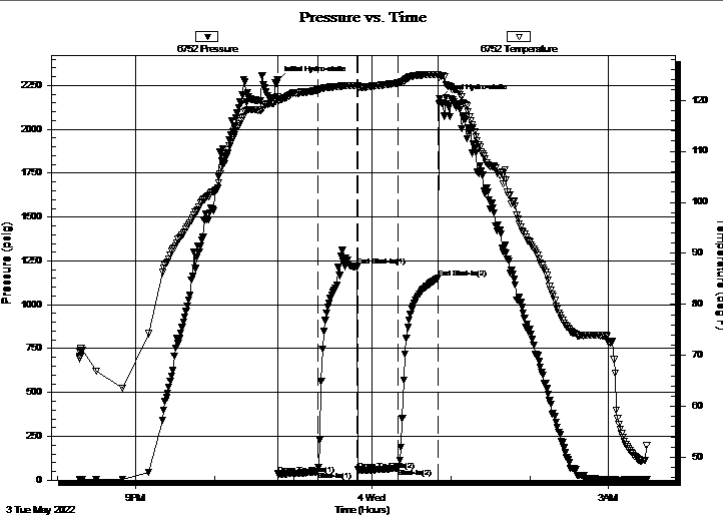
Capacity: psig

Last Calib.: 2022.05.04

Time On Btm: 2022.05.03 @ 22:47:47

Time Off Btm: 2022.05.04 @ 00:51:17

TEST COMMENT: IF: Weak Blow , Built to 2.54 inches
 IS: No Blow
 FF: Weak Blow , Built to 2.38 inches
 FS: No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.51	120.63	Initial Hydro-static
1	35.51	120.21	Open To Flow (1)
31	50.45	122.02	Shut-In(1)
61	1219.61	122.92	End Shut-In(1)
62	58.02	122.66	Open To Flow (2)
92	69.85	123.38	Shut-In(2)
123	1151.10	125.06	End Shut-In(2)
124	2174.23	124.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	SOWCM 10%O 20%W 70%M	0.31
1.00	Clean Oil	0.00

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 Inc

4-16S-26W Ness,KS

4924 SE 84th St
New ton, KS 67114

Braveheart #1

Job Ticket: 65431

DST#: 2

ATTN: Chad Counts

Test Start: 2022.05.03 @ 20:17:00

Tool Information

Drill Pipe:	Length: 4435.00 ft	Diameter: 3.80 inches	Volume: 62.21 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 62.78 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4552.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	4575.00 ft				
Interval between Packers:	23.00 ft				
Tool Length:	128.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4527.00	
Hydraulic tool	5.00			4532.00	
Jars	5.00			4537.00	
EM Tool	3.00			4540.00	
Safety Joint	3.00			4543.00	
Packer	5.00			4548.00	30.00 Bottom Of Top Packer
Packer	4.00			4552.00	
Stubb	1.00			4553.00	
Perforations	22.00			4575.00	
Recorder	0.00	8365	Outside	4575.00	
Recorder	0.00	6752	Outside	4575.00	23.00 Tool Interval
Packer	4.00			4579.00	
Stubb	1.00			4580.00	
Perforations	3.00			4583.00	
Change Over Sub	1.00			4584.00	
Drill Pipe	62.00			4646.00	
Change Over Sub	1.00			4647.00	
Recorder	0.00	6755	Below	4647.00	
Bullnose	3.00			4650.00	75.00 Bottom Packers & Anchor
Total Tool Length:	128.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

4-16S-26W Ness,KS

4924 SE 84th St
New ton, KS 67114

Braveheart #1

Job Ticket: 65431

DST#: 2

ATTN: Chad Counts

Test Start: 2022.05.03 @ 20:17:00

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:

66000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
63.00	SOWCM 10%O 20%W 70%M	0.310
1.00	Clean Oil	0.005

Total Length: 64.00 ft Total Volume: 0.315 bbf

Num Fluid Samples: 0

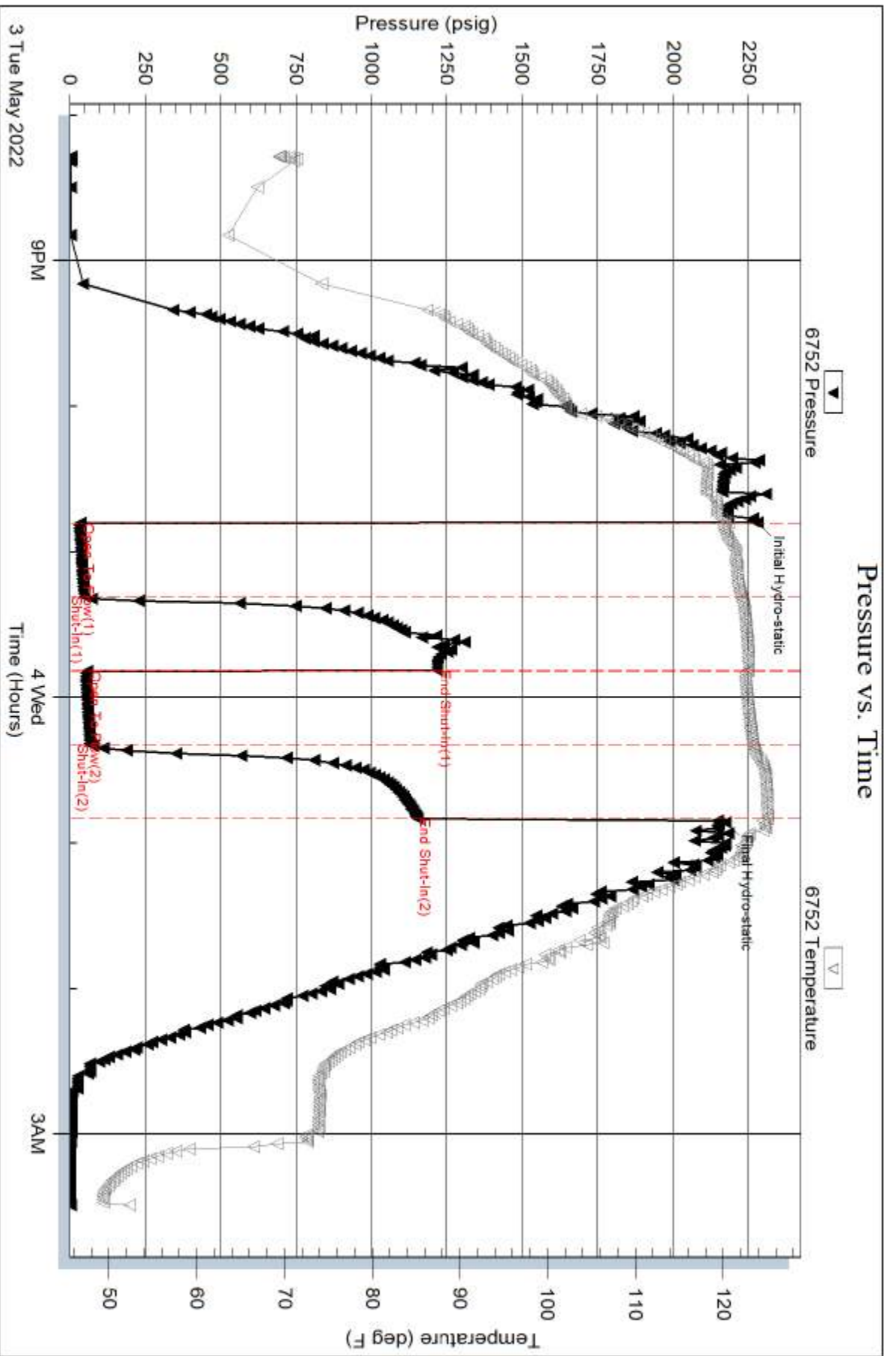
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .17 @ 56 degrees

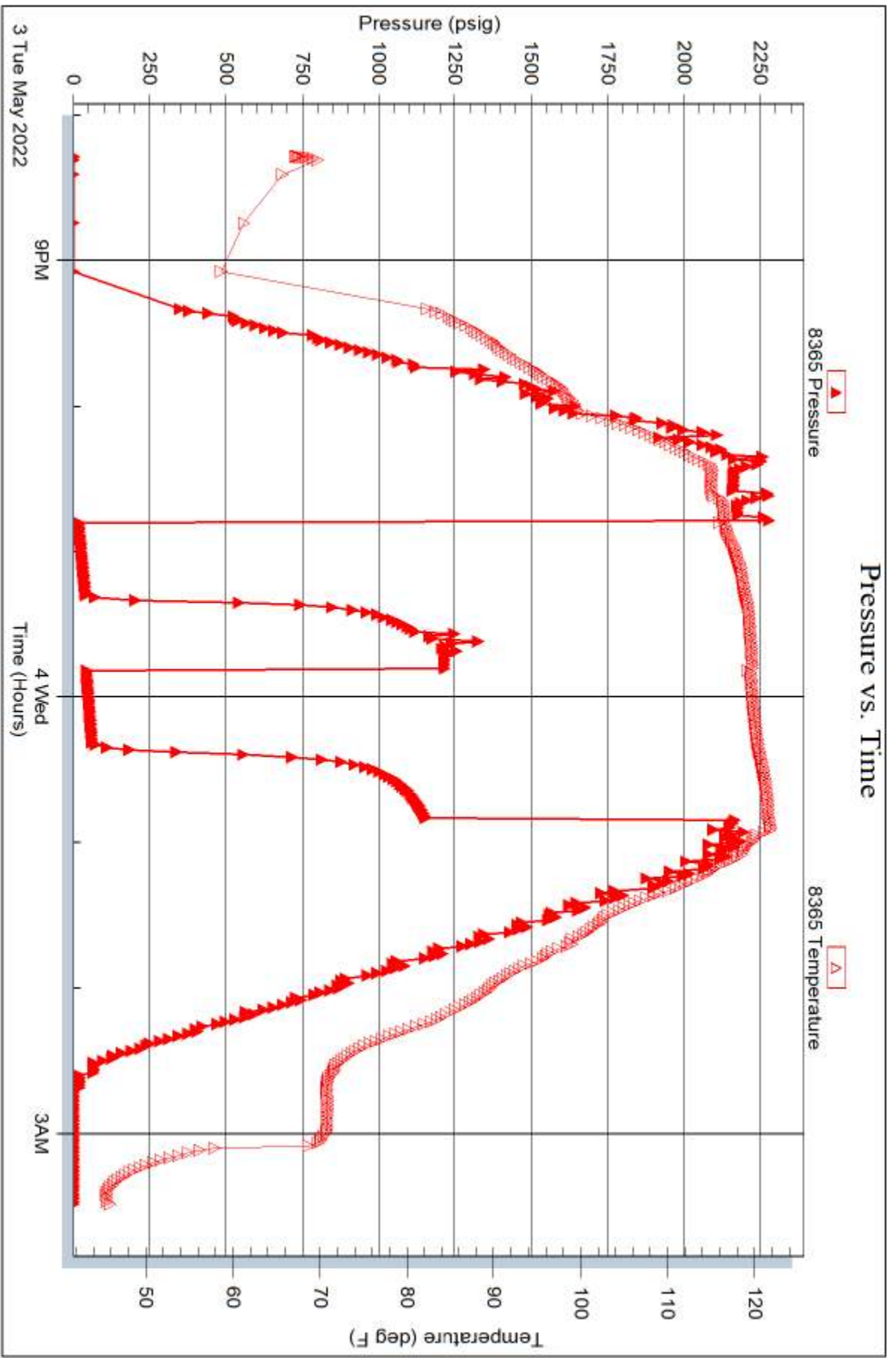


Serial #: 8365

Outside Palomino Petroleum Inc

Braveheart #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65431

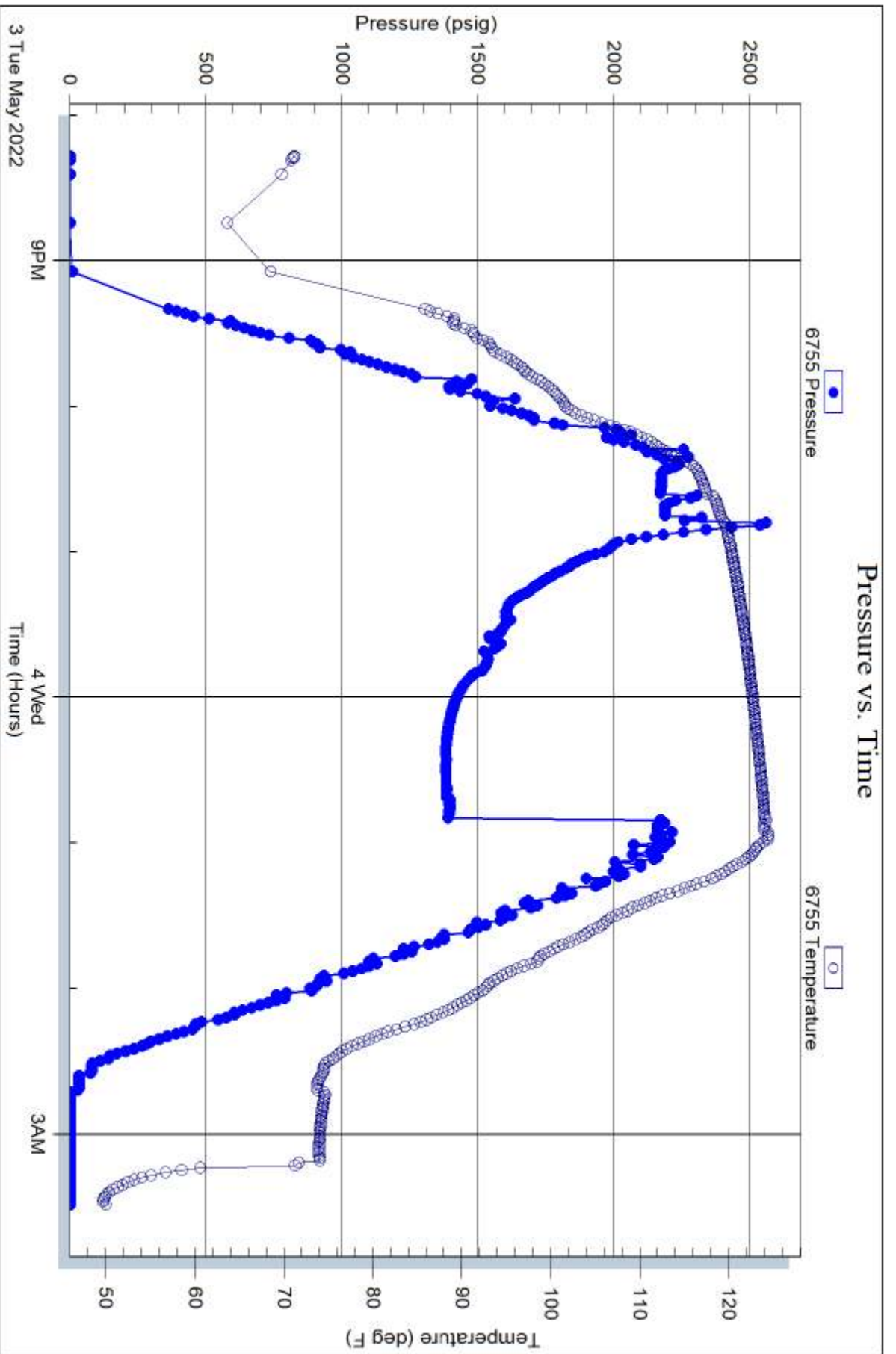
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Serial #: 6755

Below (Str Ratten) Petrochem Inc

Braveheart #1

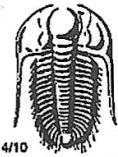
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65431

Printed: 2022.05.05 @ 12:09:44



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65430**

Well Name & No. Braveheart 1 Test No. 1 Date 05/02/22
 Company Palomino Petroleum INC Elevation 2626 KB 2619 GL
 Address 4924 SE 84th St - Newton, KS 67114
 Co. Rep / Geo. Chad Courts Rig Pickrell 10
 Location: Sec. 4 Twp 18S Rge. 26W Co. NESS State KS

Interval Tested 4478 - 4553 Zone Tested Mississippi
 Anchor Length 75 Drill Pipe Run 4340 Mud Wt. 9.3
 Top Packer Depth 4473 Drill Collars Run 116 Vis 47
 Bottom Packer Depth 4478 Wt. Pipe Run 0 WL 6.0
 Total Depth 4553 Chlorides 2100 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 14 minutes, Built to 26 inches
ISI: No Blow
FF: ~~Strong~~ Blow, BOB in 17 minutes, Built to 23 inches
FSD: 4.76 inch Blow

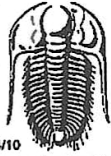
Rec	Feet of	%gas	%oil	%water	%mud
650	GDP				
92	oil				
62	OCM		30%		70%
310	OCM		20%		80%
116	SWCM		15%		85%

Rec Total 580 BHT 121 Gravity 37.7 API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic 2204 Test 1950 T-On Location 19:00
 (B) First Initial Flow 44 Jars 300 T-Started 20:58
 (C) First Final Flow 167 Safety Joint _____ T-Open 00:03
 (D) Initial Shut-In 1186 Circ Sub _____ T-Pulled 02:31
 (E) Second Initial Flow 164 Hourly Standby _____ T-Out 06:10
 (F) Second Final Flow 233 Mileage (110) From Hays Comments Motel
 (G) Final Shut-In 1177 Sampler 102rt 153
 (H) Final Hydrostatic 2150 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total 0
 Initial Shut-In 30 Accessibility _____ Total 2403
 Final Flow 30 Sub Total 2403 MP/DST Disc't _____
 Final Shut-In 50

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65431

Well Name & No. Braveheart 1 Test No. 2 Date 05/03/22
 Company Palomino Petroleum Inc Elevation 2626 KB 2619 GL
 Address 4924 SE 24th St Newton, KS 67114
 Co. Rep / Geo. Chad Courts Rig Pickrell 10
 Location: Sec. 4 Twp 16S Rge. 26W Co. Ness State KS

Interval Tested 4552 - 4575 Zone Tested Mississippi
 Anchor Length 23 Drill Pipe Run 4435 Mud Wt. 9.0
 Top Packer Depth 4547 Drill Collars Run 116 Vis 55
 Bottom Packer Depth 4575 Wt. Pipe Run 0 WL 5.8
 Total Depth 4650 Chlorides 2400 ppm System LCM 2

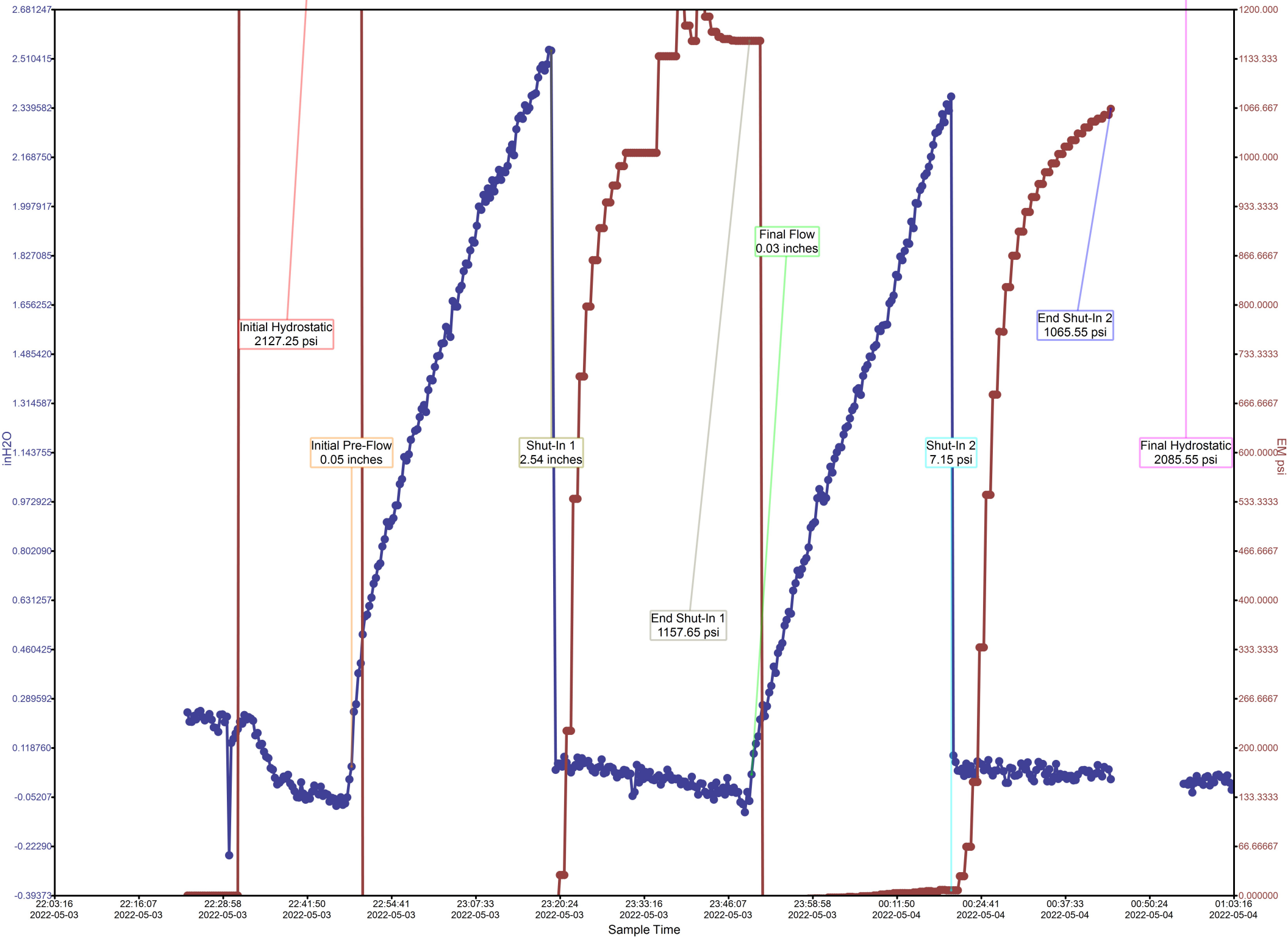
Blow Description IF: Weak Blow, Built to 2.54 inches
ISI: NO BLOW
~~FF: Weak Blow, Built to 2.38 inches~~
FSL:

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>oil</u>				
<u>63</u>	<u>50 WCM</u>		<u>10%</u>	<u>20%</u>	<u>70%</u>
Rec Total	<u>64</u>	BHT <u>125</u>	Gravity <u>N/C</u>	API RW <u>17</u>	@ <u>56</u> °F Chlorides <u>66000</u> ppm
(A) Initial Hydrostatic	<u>2281</u>	<input checked="" type="checkbox"/> Test	<u>1950</u>	T-On Location	<u>19:20</u>
(B) First Initial Flow	<u>35</u>	<input checked="" type="checkbox"/> Jars	<u>300</u>	T-Started	<u>20:17</u>
(C) First Final Flow	<u>50</u>	<input checked="" type="checkbox"/> Safety Joint		T-Open	<u>22:48</u>
(D) Initial Shut-In	<u>1220</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>00:50</u>
(E) Second Initial Flow	<u>58</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>03:29</u>
(F) Second Final Flow	<u>70</u>	<input checked="" type="checkbox"/> Mileage <u>110</u> From Hays	<u>153</u>	Comments	<u>MOTEL</u>
(G) Final Shut-In	<u>1151</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2174</u>	<input checked="" type="checkbox"/> Straddle	<u>600</u>	<input checked="" type="checkbox"/> EM Tool	
Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Shale Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Ruined Packer	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder		<input type="checkbox"/> Extra Copies	
Final Shut-In	<u>30</u>	<input type="checkbox"/> Day Standby		Sub Total	<u>0</u>
		<input type="checkbox"/> Accessibility		Total	<u>3003</u>
		Sub Total	<u>3003</u>	MP/DST Disc't	

Approved By _____ Our Representative [Signature]

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.

Palomino Petroleum - Braveheart 1 - DST 2



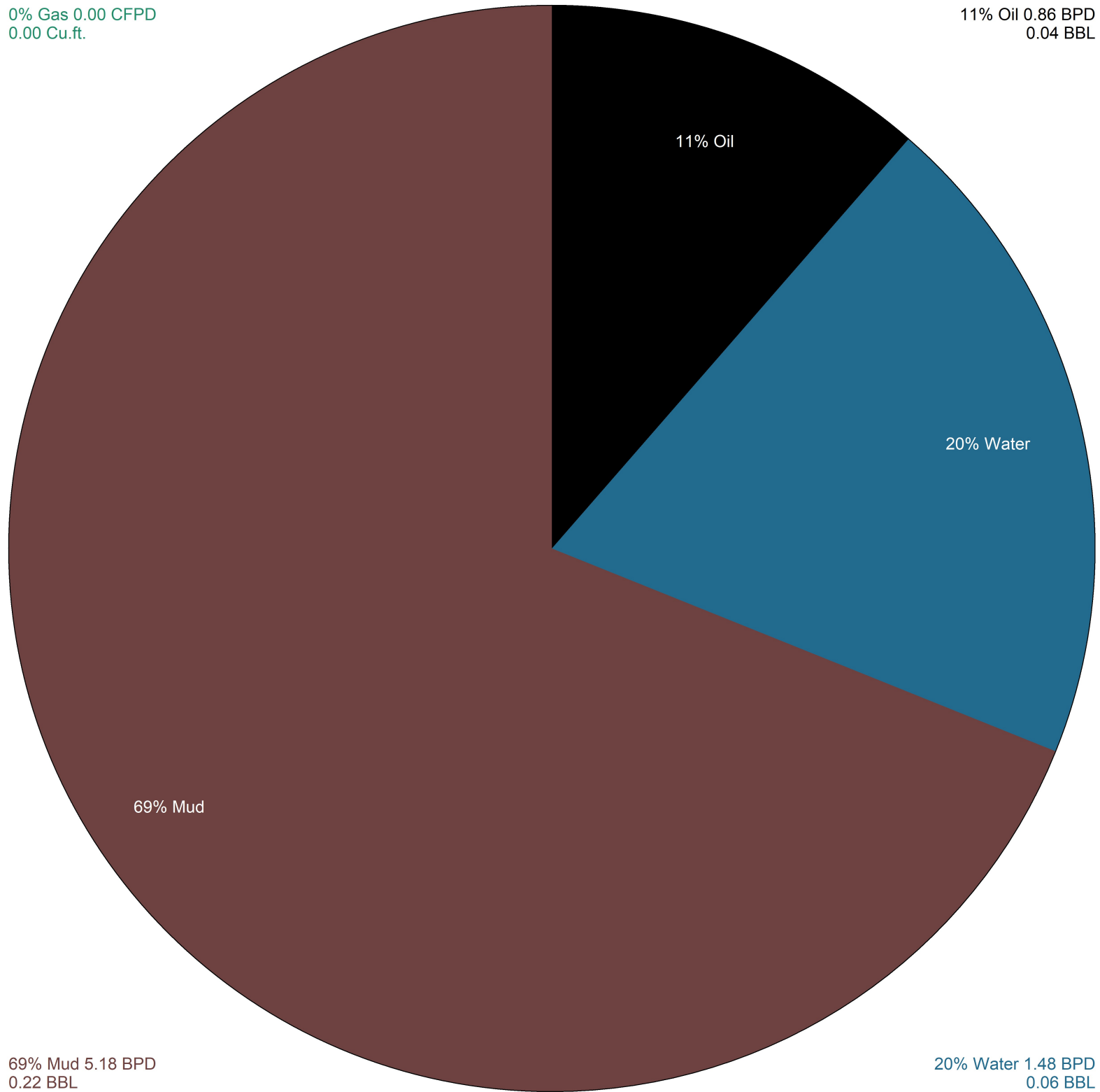
Calculated Recovery Analysis - Palomino Petroleum - Braveheart 1 - DST 2

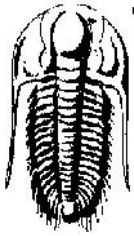
0% Gas 0.00 CFPD
0.00 Cu.ft.

11% Oil 0.86 BPD
0.04 BBL

69% Mud 5.18 BPD
0.22 BBL

20% Water 1.48 BPD
0.06 BBL





**TRILOBITE
TESTING, INC.**

DRILLING CONTRACT REPORT

Well Name: 4-16S-26W Ness

4-16S-26W Ness

Well ID: 4-24 00 04t 01
000 t 00000 00114

Braveheart 1

DST#: 2

Well Type: TT 00 000d 0000t 0

Test Date: 2022:05:03 0 20:10:00

0000R00 000RM0T000

Location: **Mississippi**
D 0000t 00 0 0000000 0 0000
T 00 T 0000 0000d 22:40:02
T 00 T 00t 00d 00 03:20:02

Test Type: 00000t 00000t 0000t 00d 00 R 0000t 0
Test No: 0000000000
00t 000 02

Interval: 4552.00 ft (KB) To 4575.00 ft (KB) (TVD)
T 00 D 00t 00 4:50:00 0 0000 T 0 D 0
000 D 00t 00 000 00000000 000d 0000 000d

R 000000 0000t 00000 2:20:00 0 0000
2:21:00 0 0000
00t 0 R 0000 000 0

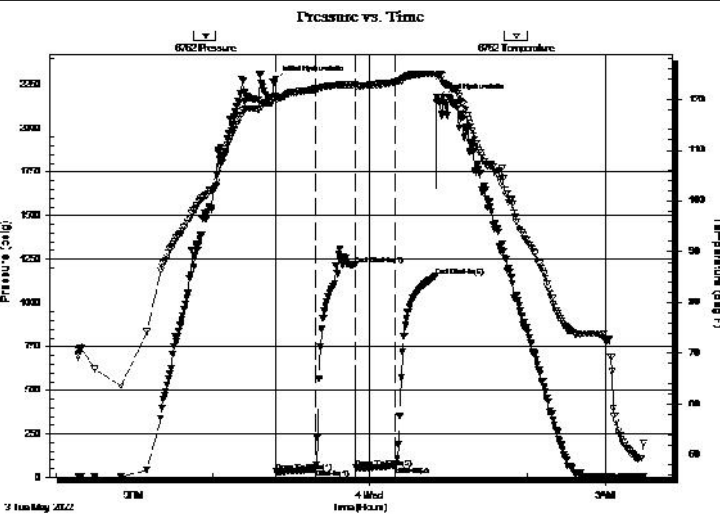
Serial #: 6752

Outside

R 0000 R 00 D 00t 00 0005 000 0 45:50:00 0 0000
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00t 0 T 00t 00 20:10:01 00d T 00t 00 03:20:02

00000t 000 0000
00t 00000 2022:05:04
T 00000t 00 2022:05:03 0 22:40:04
T 00000t 00 2022:05:04 0 00:51:00

T 00 T 00 MM 00 T 00 000 000000 0000t 0 2:54 00000
0000 0000
0000 000000 0000t 0 2:30 00000
0000 0000



0 R 0000 R 0 00 MM 0 R 0

T 00 M 000	0000000	T 00 d 000	00000t 000
0	22:05:1	120:03	00000d 0000t 00
1	35:51	120:21	0000 T 000 01
31	50:45	122:02	0000001
01	121:001	122:02	00d 0000001
02	5:02	122:00	0000 T 000 02
02	00:05	123:30	0000002
123	1151:10	125:00	00d 0000002
124	21:4:23	124:44	00000d 0000t 00

R 00000r 0

0 00 R 0t 00

00000 000	D 0000000	000000 0000
03:00	0000 M 10 0 20 0 00 M	0:31
1:00	0000 00	0:00

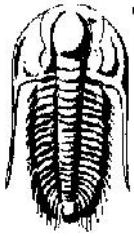
0000000000	000000 00000	000R 00 M 00d

0 R 00000000 000000000

Tr 0000t 0 T 00000000

R 000000 05431

00t 0d 2022:05:04 0 00:15:00



TRILOBITE TESTING, INC.

DRILLING CONTRACT REPORT

Well Name: 4-16S-26W Ness

4-16S-26W Ness

Well ID: 4-24 00 04 00 00
 Well Number: 000 t 00000 00114

Braveheart 1

Well ID: 000 T 0000 05431

DST#: 2

Well Type: 00 TT 00 000d 00000

Test Date: 2022:05:03 0 20:10:00

0000R00 000RM0T000

00000000 Mississippi

Drilled 00 0 0000000 0000

Test To 0000000d: 22:40:02

Test Test 000000 03:20:02

Interval: 4552.00 ft (KB) To 4575.00 ft (KB) (TVD)

Test Date: 4:50:00 0000 T0D0

0000 D00000 0000 00000000 0000d0000 0000

Test To 0000 000000t000000tr0dd0 0R0000

Test To 0000000000000000

0000000 02

R00000000 0000000000 2020:00 000000

2021:00 00000000

0000 00000000 0000 0000

Serial #: 8365

Outside

Drilled R0D0000 0000 0 45:50:00 000000

Test Date: 2022:05:03 0000 Date: 2022:05:04

Test Time: 20:10:01 0000 Time: 03:20:02

00000000 00000000

0000 000000 2022:05:04

T000000000

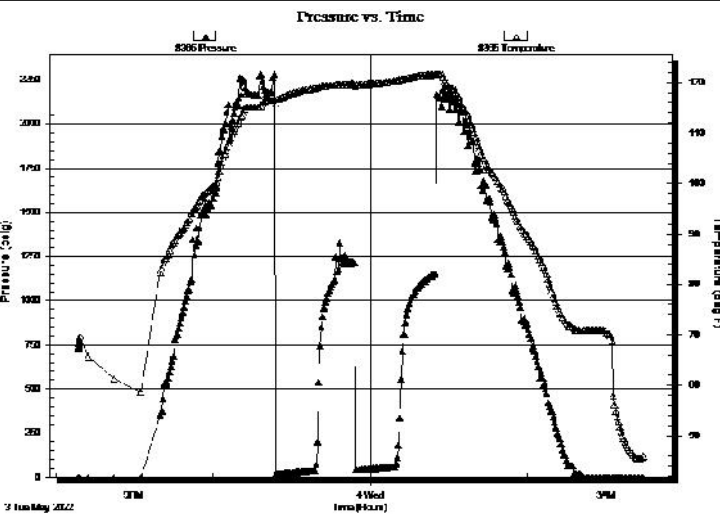
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T00T 00MM00T0 0000 000000 0000t0 2:54 000000

000000 0000

0000 000000 0000t0 2:30 000000

000000 0000



0R0000R0 00MM0R0

T000	00000000	T000	00000000
0M000	000000	0d000	

R00000r0

00000 000	D0000000	000000 0000
03:00	0000 0M 10 0 20 0 0 00 M	0:31
1:00	00000 000	0:00

000 R000

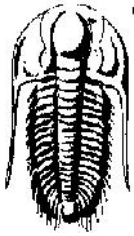
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0R00000000 0000000000

Tr0000t0 T0000000000

R0000000 05431

000000d 2022:05:04 0 00:15:00



**TRILOBITE
TESTING, INC.**

DRILLING CONTRACT REPORT

Well Name: 4-16S-26W Ness

4-16S-26W Ness

Well ID: 4-24 00 04t 01
000 t 00000 00114

Braveheart 1

Well ID: 000 T 0000 05431

DST#: 2

Well Type: 01 TT 00 000d 00000

Test Date: 2022:05:03 0 20:15:00

0000R00 000RM0T000

00000000 Mississippi

Drilled 00 0 0000000 0000

Test Type: 00000t00000tr0dd0 0R0000

Test Type: 00000d:22:4:02

Test ID: 000000000

Test Date: 03:2:02

000000 02

Interval: 4552.00 ft (KB) To 4575.00 ft (KB) (TVD)

R0000000 00000000 202:00 00000

Test Date: 4:50:00 0000 T0D0

201:00 00000

0000D00000 0000 00000000000d0000 000d

00 t 0R000

000 00

Serial #: 6755 Below (Straddle)

00000 R0D0000 0000 0 4:4:00 00000

00000000

0000

Start Date: 2022:05:03

End Date: 2022:05:04

2022:05:04

0000 000000

2022:05:04

Start Time: 20:15:01

End Time: 03:2:02

03:2:02

T000000000

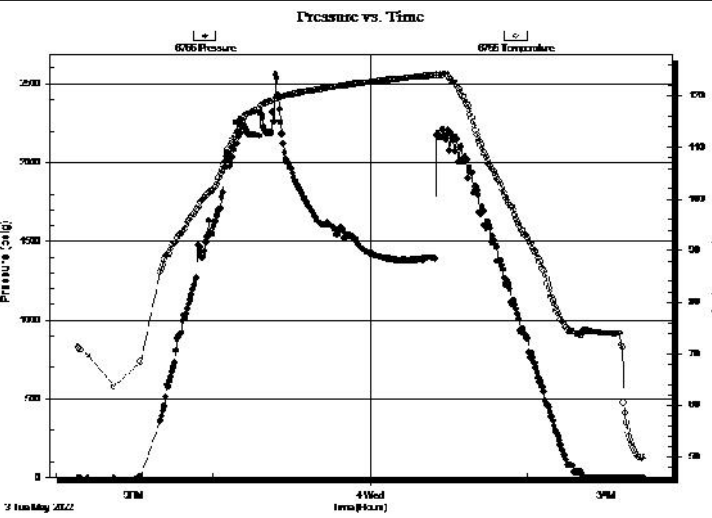
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00000 0000

0000 000000 0000t 2:30 00000

00000 0000



0R0000R0 00MM0R0

T00 M000	0000000 000000	T00 d000	00000000
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R00000r0

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03:00	0000 M 10 0 20 0 00 M	0:31
1:00	0000 00	0:00

000 R000

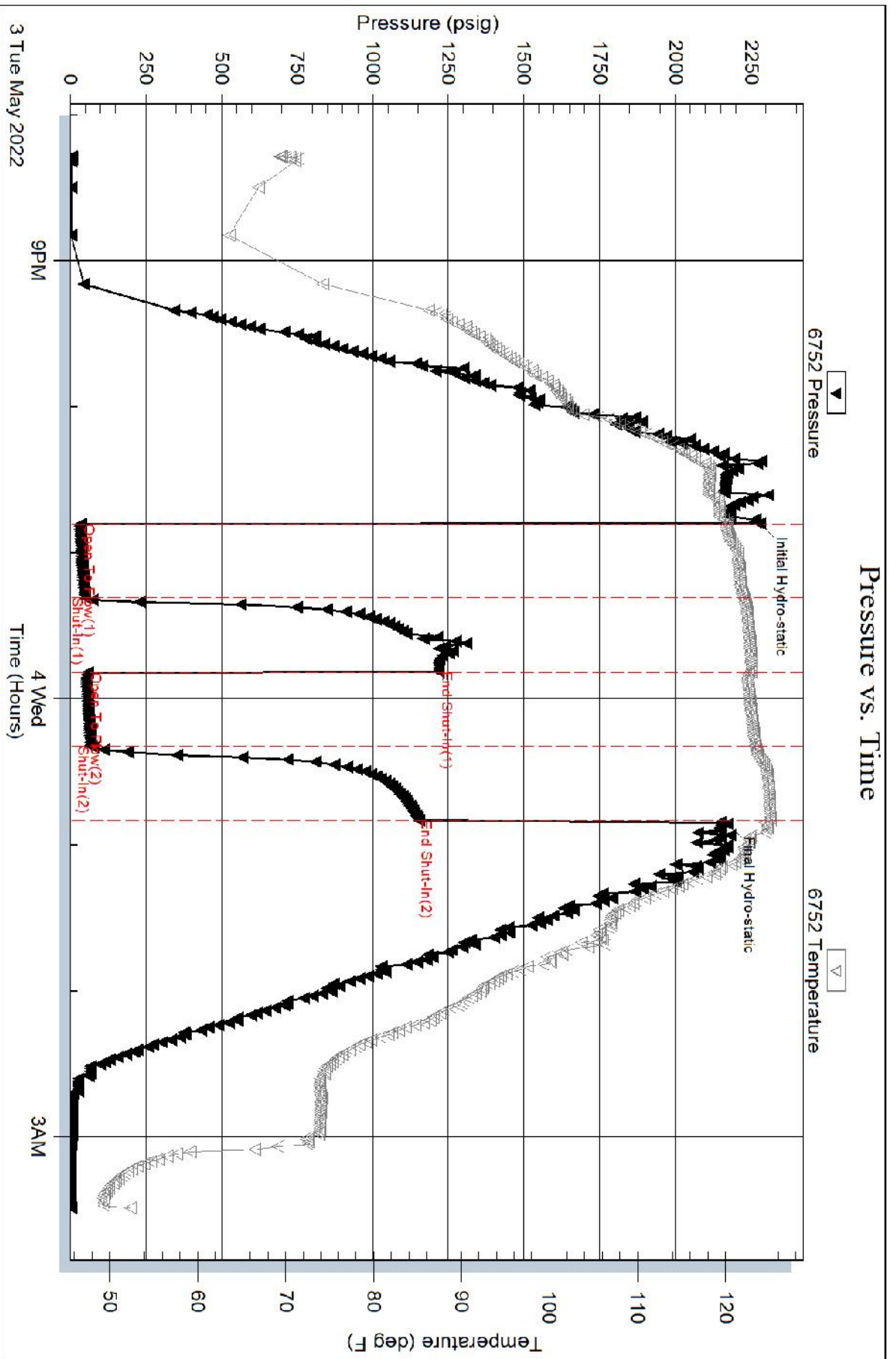
	0000000000	000000 00000	000R00M00d
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0R00000000 000000000

Tr0000T00000000

R000000 05431

00000:2022:05:04 0 00:15:00

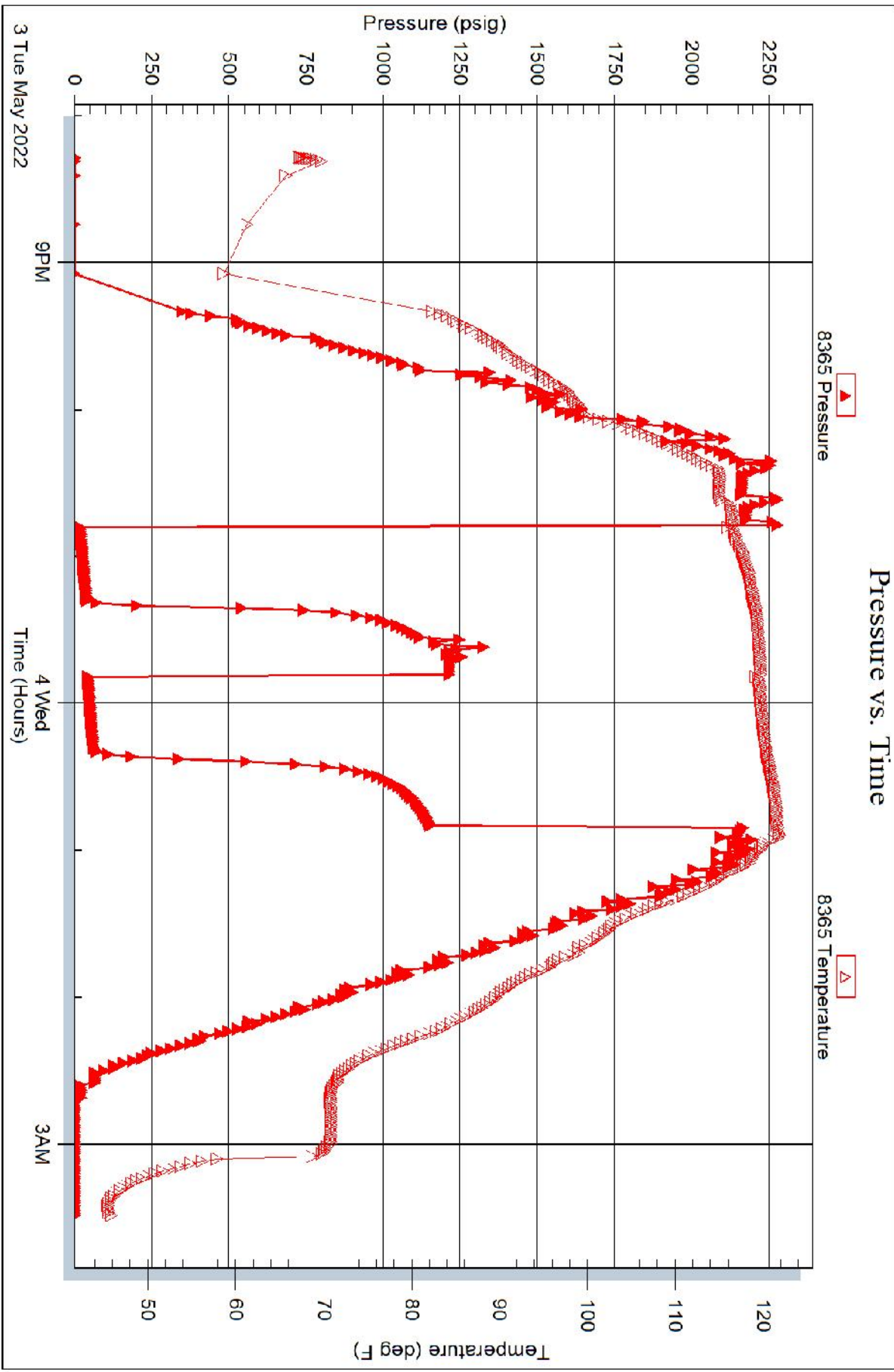


Serial #: 8365

Outside Palomino Petroleum Inc

Braveheart 1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65431

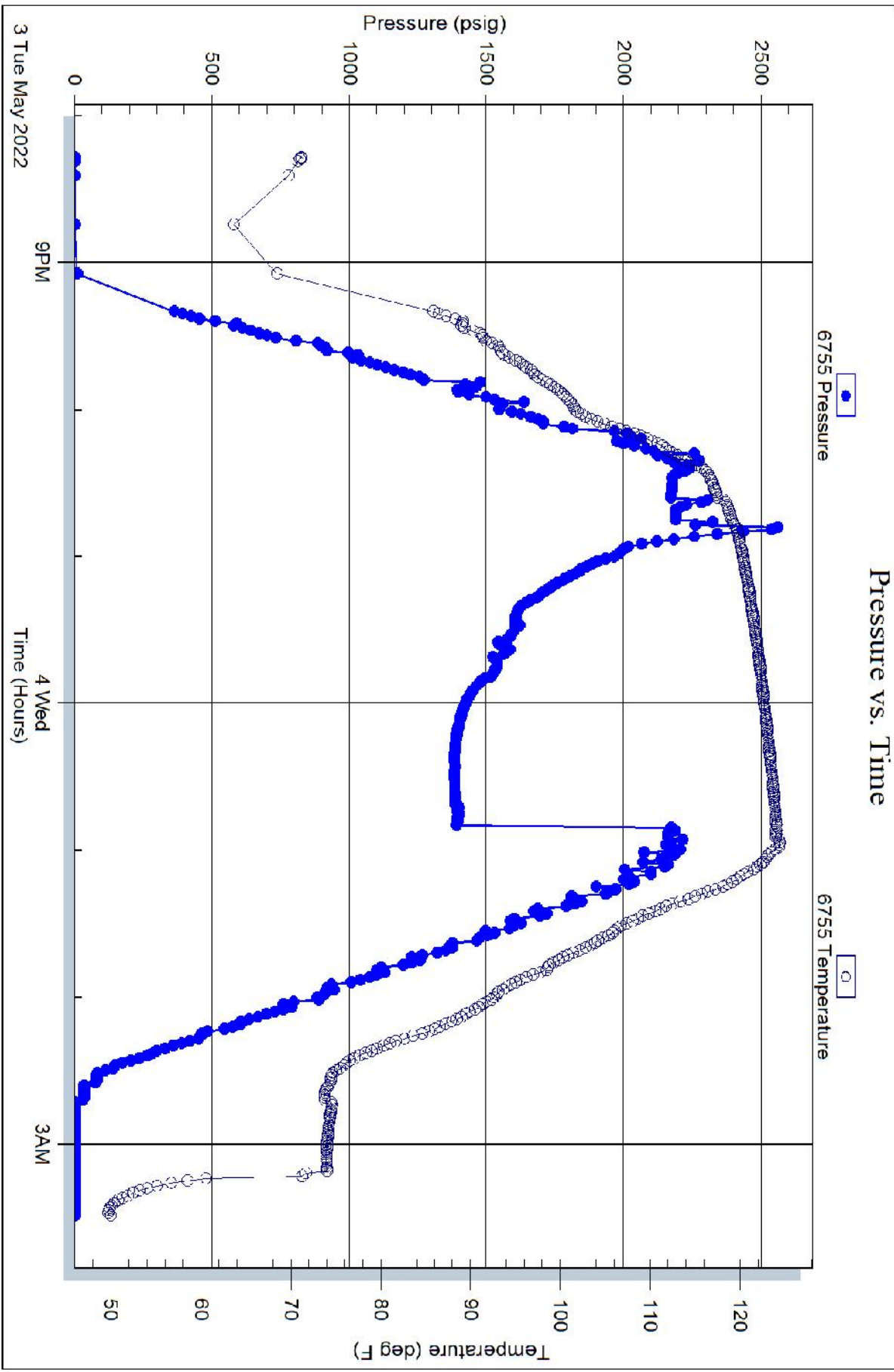
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Serial #: 6755

Below (Str-Rathjho Petroleum Inc

Braveheart 1

DST Test Number: 2



Tilcoite Testing, Inc

Ref. No: 65431

Printed: 2022.05.04 @ 07:15:07