

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](mailto: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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# LITHOLOGY STRIP LOG

## WellSight Systems

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

Well Name: Atlas Shrugged #1  
API: 15-135-26139  
Location: N2 S2 SE Sec.18-T16S-R24W, Ness Co., KS  
License Number: \_\_\_\_\_ Region: Sargent Southeast Field  
Spud Date: 12/30/21 Drilling Completed: 1/5/22  
Surface Coordinates: 768'FSL 1320'FEL  
Latitude 38.654674/ Longitude 100.014997  
Bottom Hole Coordinates:  
Ground Elevation (ft): 2524 K.B. Elevation (ft): 2550  
Logged Interval (ft): 3600 To: 4620 Total Depth (ft): 4620  
Formation: Lansing, Marmaton, Miss  
Type of Drilling Fluid: Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

### OPERATOR

Company: Palomino Petroleum, Inc.  
Address: 4924 SE 84th St  
Newton, KS 67114-8827  
316-799-1000

### GEOLOGIST

Name: Randy Say  
Company: RSay Enterprises  
Address: 13524 W. 67th Way  
Arvada, CO 80004  
303-940-8751

### Casing/ Data

Surface Casing 8.625" set at 214  
5.50" production casing run to TD 4620

## DSTs

**DST No.1 4452-4492(40) Conventional Fort Scott Test; Successful**

Trilobite Testing Hays, KS; Kevin Webster - Tester

IF: 30 min; WSG, died in 12 min

ISl: 30 min; No return

FF: 30 min; No blow

FSI: 30 min; No return

REC: 5' drilling mud 100% mud

BHT 111F

IHP 2300 ; IFP 53-42 ; ISIP 48 ; FFP 48-41 ; FSIP 42 ; FHP 2238

**DST No.2 4452-4528(76) Conventional Miss Test; Successful**

Trilobite Testing Hays, KS; Kevin Webster - Tester

IF: 30 min; WSG, built to 2.5"

ISl: 30 min; No return

FF: 60 min; WSG built to 1.0"

FSI: 60 min; No return

REC: 40' [1% Oil/ 99% mud]

BHT 117F

IHP 2345 ; IFP 136-1151 ; ISIP 1207 ; FFP 281-1283 ; FSIP 1316 ; FHP 2291

**DST No.3 4463-4540(77) Conventional Miss Test; Misrun**

Hit bridge at 940-980. TOOH, no results

**DST No.4 4463-4540(77) Straddle Miss Test; Successful run; tool plugged**

Trilobite Testing Hays, KS; Kevin Webster - Tester

IF: 30 min; WSG, built to 7.0"

ISl: 30 min; No return

FF: 60 min; WSG built to 4.0"

FSI: 60 min; No return

REC: 188' [1% Oil/ 99% mud]

BHT 122F

IHP 2318 ; IFP 68-126 ; ISIP 1251 ; FFP 113-1179 ; FSIP 1295 ; FHP 2347

**DST No.5 4400-4441(41) Straddle Fort Scott Test; Successful run; tool plugged**

Trilobite Testing Hays, KS; Kevin Webster - Tester

IF: 15 min; WSG, built to 0.25"

ISl: 30 min; No return

FF: 15 min; WSG died in 5 min

FSI: 30 min; No return

REC: 5' [1% Oil/ 99% mud]

BHT 122F

IHP 2312 ; IFP 37-42 ; ISIP 204 ; FFP 37-55 ; FSIP 73 ; FHP 2145

**DST No.6 4513-4555(4) Straddle Miss Test; Successful run;**

Trilobite Testing Hays, KS; Kevin Webster - Tester

IF: 30 min; WSG, built to 22"

ISl: 30 min; No return

FF: 60 min; WSG built to 28"

FSI: 60 min; No return

REC: 372' Total Recovery; 124' GIP; 124 GO [15% Gas/85% Oil]; 248' OM [5% Oil/ 95% mud]

BHT 121F; 39 API Gravity

IHP 2345 ; IFP 44-106 ; ISIP 1210 ; FFP 112-177 ; FSIP 1234 ; FHP 2228

# Logging Program








































































Gemini Wireline LLC, Hays, KS; Gus Pfanenstiel Engineer

Logs Interval  
 DIL Surf-4616  
 Litho Density Neutron 3600-4616  
 Micro Resistivity 3600-4616

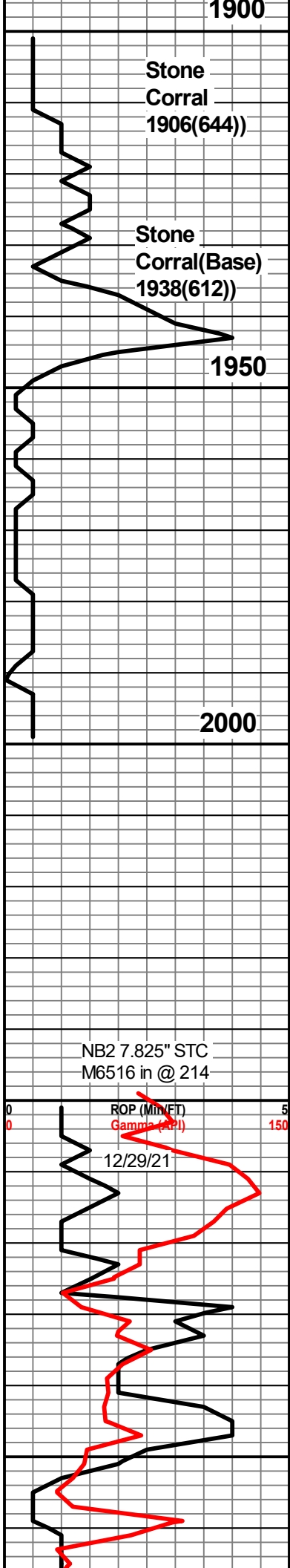
## ROCK TYPES

 Anhy  Bent  Brec  Cht  Clyst	 Coal  Congl  Dol  Gyp  Igne	 Lmst  Meta  Mrlst  Salt  Shale	 Shcol  Shgy  Sltst  Ss  Till
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## ACCESSORIES

<b>FOSSIL</b>  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite  Ostra  Pelec  Pellet  Pisolite	 Plant  Strom  <b>MINERAL</b>  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau  Gyp	 Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff  <b>STRINGER</b>  Anhy  Arg  Bent  Coal  Dol	 Gyp  Ls  Mrst  Sltstrg  Ssstrg  <b>TEXTURE</b>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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ROP/ENG DATA		MD	Porosity <small>Porosity Type</small>	Lithology	Grain Size	Oil Show	Geological Descriptions	Well Data
ROP (Min/FT)	Gamma (API)							
0	0	34	25% 20% 15% 10% 5%		Ss P Jr Lm Lg Sx			
ROP (Min/FT)	Gamma (API)	5						
0	150							
Stone Corral Drilling Depths Superimposed on log from 3450-3550 for correlation purposes								



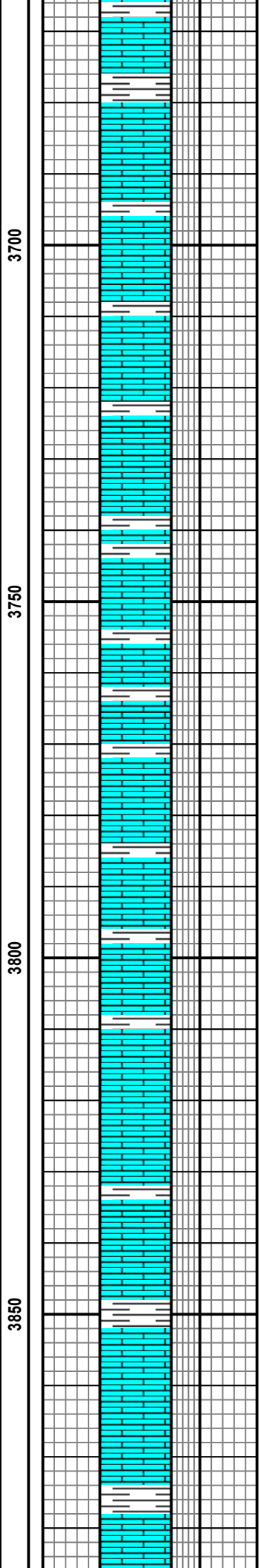
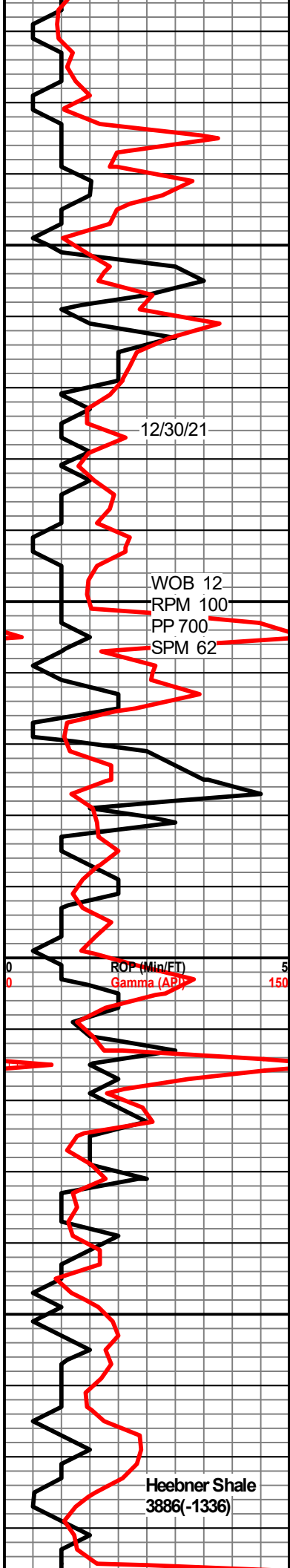
10 foot samples begin at 3600 caught by crews, lagged by wellsite geologist

LS tan-wh xfl firm sfos w/chk mtrx por-p nsfoc

SH dkgy firm blk carb

LS aa incr wh-gy firm-fri chky sfos chky mtrx por-p-tt nsfoc

LS tan-gy xfl-litho fri-firm chky slsty



w/sh strgs por-p-occ tr nsfoc

SH dkgy-bk sft-firm blkv vcarb

LS tan-mgy xfxl-gran fri-firm occ fos  
chky mtrx por-p nsfoc

SH aa

LS mgy-wh xfxl-gran fri-firm mfos  
w/chk mtrx occ calc & sh strgs  
por-fr-p nsfoc

LS ltgy-wh litho fri vchky tr fos por-p  
nsfoc

SH mgy sft pty

LS aa occ sft chky nsfoc

LS ltgy xfxl-litho fri vchky sft por-p-t  
nsfoc

LS aa occ chky & gummy w/intbd  
SH mgy LS por p nsfoc

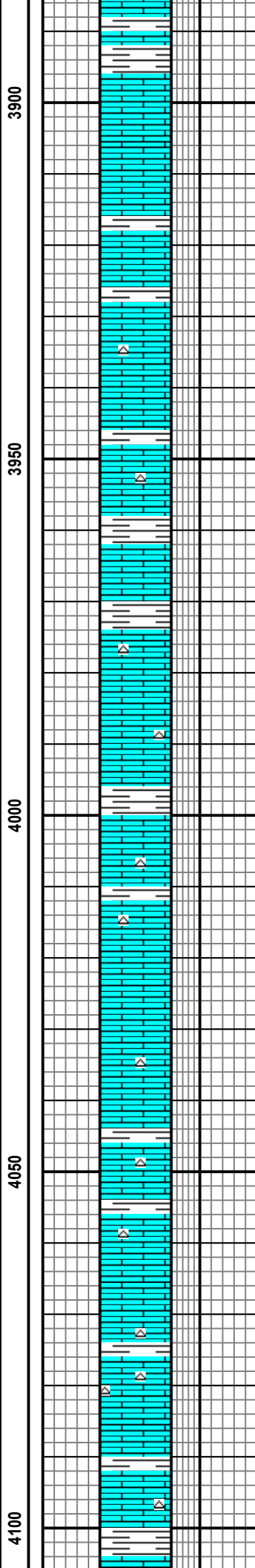
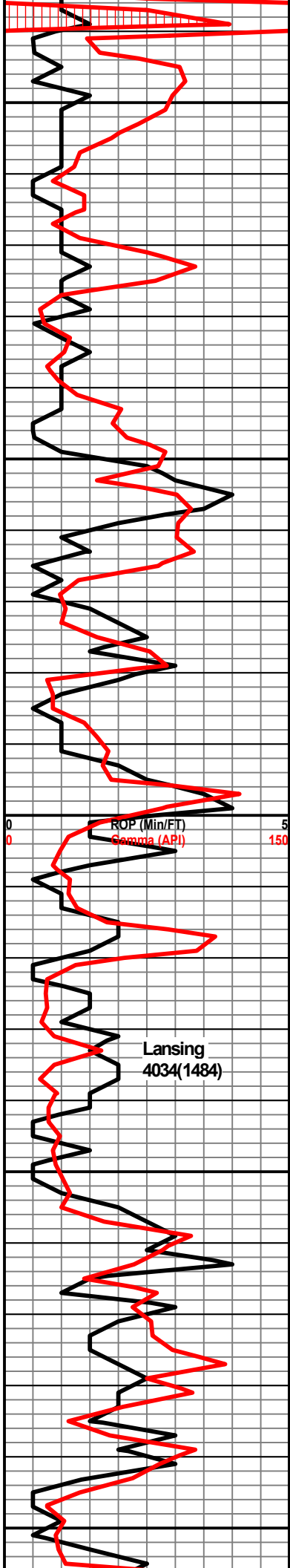
SH m-ltgy firm pty arg

LS mot gyh-wh sft-fri occ chky por-tt  
nsfoc

SH mgy pty firm slcalc

W 9.0  
V 57  
WL 5.8  
pH 11.5  
cK 1  
CL 2700  
Ca Nil  
LCM 2#/BBL





SH m-occ dkgy sft blkyl carb w/in LS  
aa

LS mot wh-crm fri chky occ tr fos  
w/calc por-p nsfoc

SH aa

LS mot gy-wh xfxl-litho fri occ sdy  
w/tr cht wh hd por-p-tt nsfoc

incr tr cht wh ang

SH m-dkgy sft plty carb

LS wh-incr gy xfxl firm-fri chky occ  
sily tr fos & cht por-p nsfoc

SH mgy-gybrn sft blkyl vcarb

tr cht mlky-wh ang

LS wh-crm xfxl-litho fri sily occ tr fos  
w/scat cht por-tt nsfoc

LS crm-ltgy xfxl firm sily occ cht & tr  
fos por-p-tt nsfoc

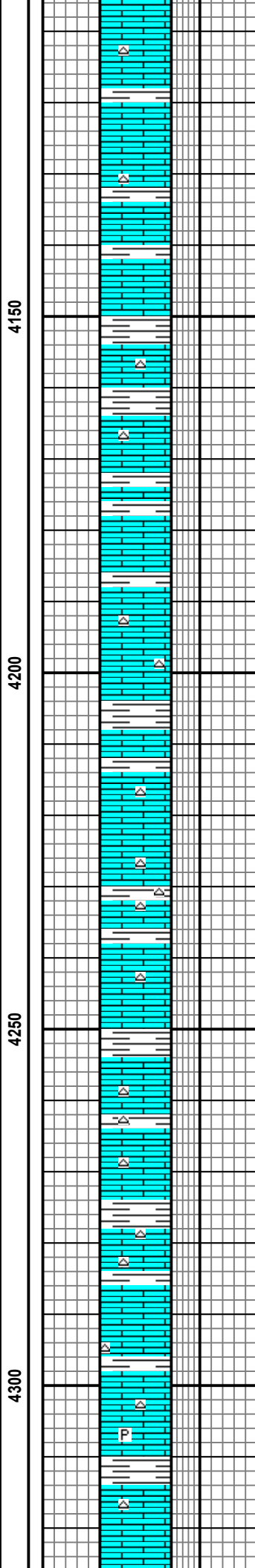
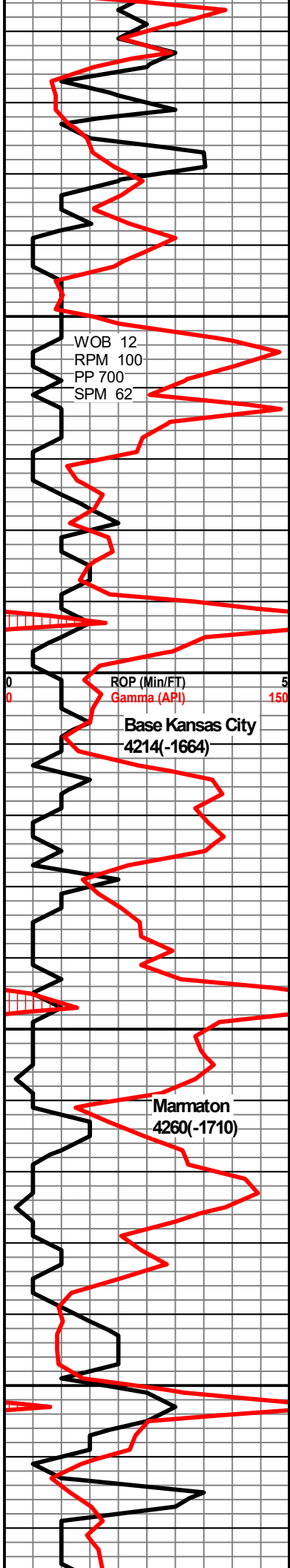
SH strgs mgy-sft blkyl carb

LS wh-ltgy xfxl-gran fri-firm tr cht occ  
fos por-tt nsfoc

SH dkgy-gybrn sft blkyl carb

LS tan-ltgy xfxl incr chty w/sh strgs  
por-p nsfoc

SH aa



LS ltgy-crm xfxl-gran fri slty sfos occ  
cht por-p nsfoc

LS aa w/incr in cht & occ pyr sfos  
w/calc infill por-p nsfoc

SH bk-gybrn sft-firm blkly vcarb

LS crm-ltgy fir-fri suc slpyr & tr cht  
w/sh strgs; por-p-tt nsfoc

SH strgs dkgy-gybrn frm blkly vcarb

LS aa occ pyr por-tt nsfoc

SH aa occ dkgy sft blkly  
tr cht vltgy-wh ang

LS ltgy-wh xfxl fri occ suc chty  
w/intbd sh strgs por-p nsfoc

LS aa incr suc gran fri por-p nsfoc

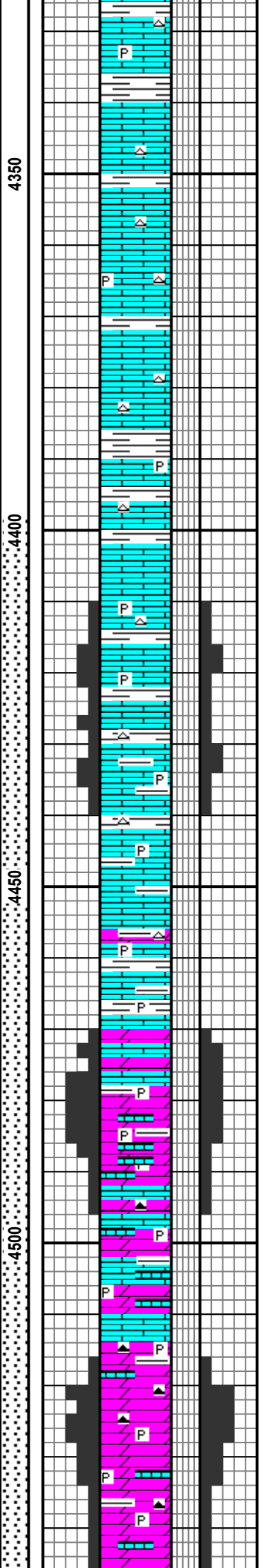
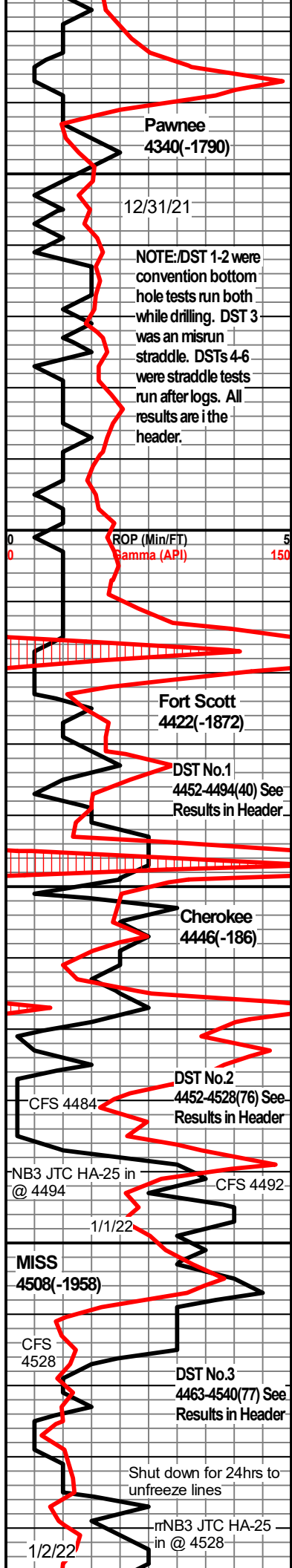
SH dk-mgy sft pty carb

LS ltgy-crm litho-xfxl firm slpyr occ  
chty w/tr fos por-p-tt nsfoc

SH dkgy blkly carb slcalc

LS mot tan-mgy xfxl xfxl firm-fri occ  
chky tr cht & vf pyr por-p nsfoc

SH aa  
tr cht wh vang



LS mgy-tan xfxl-gran fri suc to calc infill firm incr poyr por-p nsfoc

SH m-dkgy plty vcarb

tr cht & pyr

LS mot gy-tan-wh litho firm occ calc infill & fos slpyr tr cht por-p-occ fr nsfoc

LS mot tan-dkgy litho-xfxl firm pyr chty w/tr fos por-p-tt nsfoc

SH m-dkgy firm blkly vcarb

LS ltgy-xfxl firm fos calc infill w/abnt pyr tr cht por-tt nsfoc w/intbd SH strgs

**Show No.1 4410-4440(30)**

LS mot tan/gy-wh xfxl-gran vfri-firm fos w/chk text w/intbd dkgy sh strgs; oilstn-none; flor-10% ltyel; cut-10% weak slow mlky crush cut; res-mlky flor res, no oilstn in dish

tr pyr

SH bk-dkgy firm blkly vcarb slcalc intbd SH w/in LS aa occ dolo strgs; por-tt nsfoc

LS crm-lttan firm vchky w/incr in tan dolo strgs por-p; nsfoc

**Show No.2 4470-4484(14)**

DOL tan-mgy gran-xfxl fri-firm suc chk mtrx; intbd LS & sh strgs; tr cht & pyr; por-fr-g (suc dolo) occ vug; oilstn-no vis live oil; slight oil odor in smpls; flor-10% myel; cut-10% slow myel strm; res-mlky flor res in dish no vis oil

4492 DOL aa incr amt of DOL tan-gy xfxl-incr suc arg mtrx slpyr; por-fr-occ g; oilstn-none; flor-10% myel; cut-10% slow myel crush cut occ strm; res-flor res, no oil ring

DOL tan-ltgy xfxl-gran & occ suc firm arg mtrx w/LS tan xfxl chky tr dkgy cht tr pyr; por-p-tt nsfoc

**Show No.3 4517-4554(37)**

DOL tan-mgy-wh gran-xfxl fri-firm w/tan suc dolo & tr vug DOL;v thin intbd LS & SH; incr in pyr & mgy cht; por-fr-occ g(suc/vug dolo); oilstn-10% spotted live oil in suc/vug dol (g por); flor-40% myel; cut-40% myel strm cut incr to immed dkyl strm cut on vug oilstn; res- flor dkyl, lttan oilstn ring

DOL 4528-4554 wh-mgy/tan xfxl-decr suc occ vug text; firm-fri cht w/tr pyr; intbd thin strgs LS/SH; DOL por-occ fr(suc/vug to p-tt(xfxl); oilstn-decr to tr spotted tan

W 9.4  
V 52  
WL 6.0  
pH 11.0  
cK 1  
CL 4100  
Ca 20  
LCM 1#/BBL

**NOTE DSTs 4-6 intervals listed below**

DST No.4 4463-4540(77) Miss Straddle See Header for Results

DST No.5 Fort Scott 4400-4441(41) Straddle See Header for Results

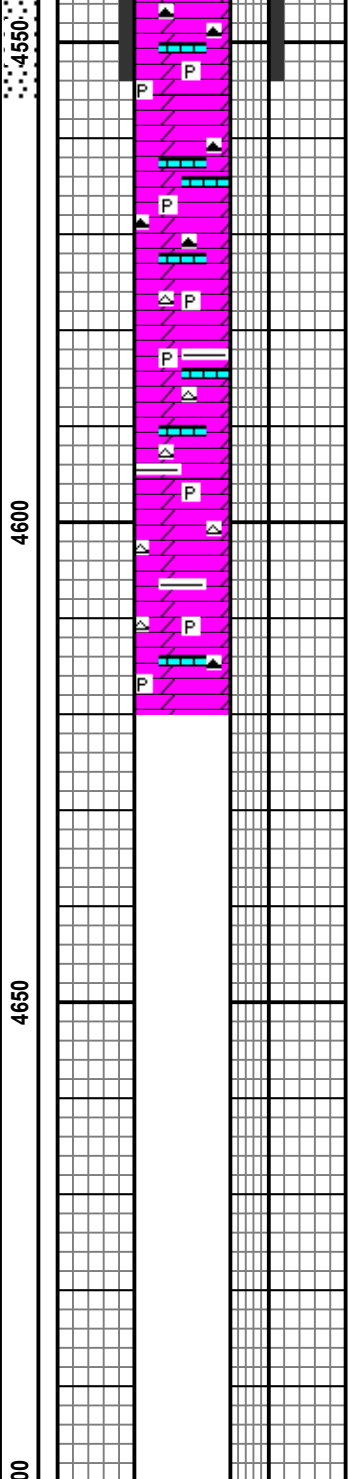
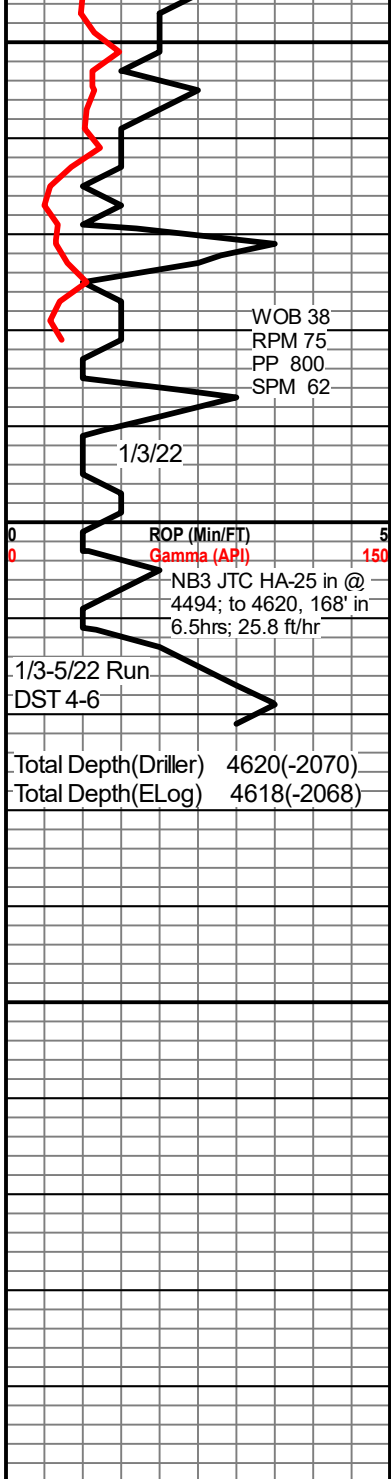
DST No.6 4513-4555(42) Miss Straddle See Header for Results

**Slight Oil Odor in Sample**

W 9.4  
V 60  
WL 6.0  
pH 10.5  
cK 1  
CL 4000  
Ca Tr  
LCM 1#/BBL

**Moderate Oil Odor in Sample**

**Slight Oil Odor in Samples**



stn, no live oil; flor-10% ltyel; cut-10%  
slow ltyel cut; res-flor res, no oil in dish

DOL incr xfxl-suc firm w/strgs mgy  
LS & sh strgs; incr in pyr & cht in  
smpls; por-p-tt; nsfoc

tr pyr & incr amt cht

DOL mot tan-brn-mgy xfxl-gran &  
occ sucw/decr smt LS strgs, tr sh;  
arg mtrx; por-p-tt; nsfoc

incr abnt wh ang cht

DOL tan-crm xfxl-occ suc firm-hd  
dns pyr & cht; por-p-tt nsfoc

cht wh ang

DOL crm-ltgy pred xfxl-decr suc  
text; firm-hd tr pyr & cht; por-p-tt  
nsfoc

# Invoice

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



DATE	INVOICE #
1/5/2022	34030

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

RECEIVED

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Atlas Schrug...	Ness	Duke Rig #2	Oil	Development	5 1/2 Longstring	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
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	325.00	325.00T
409-5	5 1/2" Turbolizer				12	Each	90.00	1,080.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	40.00	200.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.00	2,250.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00
290	D-Air				6	Gallon(s)	42.00	252.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
582D	Minimum Drayage Charge				1	Each	300.00	300.00
	Subtotal							12,402.00
	Sales Tax Ness County						6.50%	645.58
<p><i>Cement for longstring</i> <i>12/31</i></p>								
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$13,047.58



CHARGE TO: PALOMINC Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 34030

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Atlas Schrugget</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Arnold</u>	DATE <u>1-5-2022</u>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke</u>	RIG NAME/NO. <u>#2</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>Long String 5 1/2</u>	WELL PERMIT NO.	WELL LOCATION <u>N/E of Arnold</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>		<u>1</u>			MILEAGE	<u>Trk #115</u>	<u>20</u>	<u>mi</u>	<u>6.00</u>	<u>120.00</u>	
<u>578</u>		<u>1</u>			Pump Charge - Long String		<u>1</u>	<u>job</u>	<u>1500.00</u>	<u>1500.00</u>	
<u>403</u>		<u>1</u>			Cement Baskets	<u>5 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>275.00</u>	<u>275.00</u>
<u>404</u>		<u>1</u>			PORT COLLAR	<u>5 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>2,500.00</u>	<u>2,500.00</u>
<u>406</u>		<u>1</u>			LATCH DOWN Plug + Baffle	<u>5 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>250.00</u>	<u>250.00</u>
<u>407</u>		<u>1</u>			INTEGR Float Shoe w/ Auto Fill	<u>5 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>325.00</u>	<u>325.00</u>
<u>409</u>		<u>1</u>			Turbolizers	<u>5 1/2</u>	<u>IN</u>	<u>12</u>	<u>EA</u>	<u>90.00</u>	<u>1,080.00</u>

**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.

**X**

DATE SIGNED 1-6-2022 TIME SIGNED 2:45  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 TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<u>1</u>	<u>6050.00</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				<u>2</u>	<u>6352.00</u>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<b>Total</b>	<u>12,402.00</u>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<u>4045</u>	<u>645.58</u>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				<b>TOTAL</b>	<u>13047.58</u>
<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 Gideon Fuchs APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 34030

CUSTOMER PALOMINO Petroleum WELL Atlas Schirged #1 DATE 1-5-2022 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1						100	sk	14.50	1450.00	
284		1						5	sk	40.00	200.00	
283		1						500	lbs	0.25	125.00	
285		1						50	lbs	5.00	250.00	
276		1						75	lbs	3.00	225.00	
8330		1						125	sk	18.00	2250.00	
281		1						500	gal	1.50	750.00	
221		1						4	gal	25.00	100.00	
290		1						6	gal	42.00	252.00	
581		1				SERVICE CHARGE		225		24.00	5400.00	
582		1				MILEAGE CHARGE	TOTAL WEIGHT 23,000	LOADED MILES 20	TON MILES	300.00	300.00	

CONTINUATION TOTAL 6352.00

JOB LOG

SWIFT Services, Inc.

DATE 1-5-2023 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
PALOMINO Petroleum		#1		Atlas Schugged		Long String 5 1/2"		34030	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									ON LOCATION 5 1/2" 1416/ft RTD: 4.620 LTD: 4618' TP: 4625' PC: #63 1934' SJ: 43' OUT: 109, 109, 111 Turbo's: 1-11, 634 Bask: 63
	2000								Break Circulation - Drop Ball
	2200	4	12				250		Pump 500 gal Mud Flush
		4	20				250		Pump 20 bbl KCL Spacer
	2210	1 1/2	10.7				75		Plug RH, MH [30, 20]
	2225	4	30				150		Mix 75 sks of SMD @ 12.5 ppg
		4	24				150		Mix 100 sks of EA-2 @ 15.36 ppg
	2245		<del>30</del>						Wash Pump + Lines Release Injch Down Plug
	2250	6 1/2	0				200		Begin Displacement
		6 1/2	81				250		1.1 ft PSI
		6 1/2	111				1000		MAX 1.1 ft PSI
	2310	5 1/2	112				1800		LAND Injch Down Plug -Release PSI *Hold*
	2325								Wash up Trk #115
	0010								Job Complete
									125 sks of SMD @ [30 RH, 20 MH] 100 sks of EA-2 used
									Thanks!
									Gregory, Preston, Mack





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: 12/21/2021  
 Invoice #: 0357834  
 Lease Name: Atlas Shrugged  
 Well #: 1 (New)  
 County: Ness, Ks  
 Job Number: WP2246  
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	18.000	3,600.00
Heavy Eq Mileage	85.000	3.600	306.00
Light Eq Mileage	85.000	1.800	153.00
Ton Mileage	799.000	1.350	1,078.65
Depth Charge 0'-500'	1.000	900.000	900.00

**Total** 6,037.65

**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!**



Customer	Palomino Petroleum	Lease & Well #	Altas Shrugged # 1	Date	12/21/2021
Service District	Oakley KS	County & State	Ness KS	Legals S/T/R	18-16S-24W
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			Ticket #

Equipment #	Driver	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
78	Jesse J	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
208	John P	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
527/254	Kale O	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP015	H-325	sack	200.00	\$3,600.00
M010	Heavy Equipment Mileage	mi	85.00	\$306.00
M015	Light Equipment Mileage	mi	85.00	\$153.00
M020	Ton Mileage	tm	799.00	\$1,078.65
D010	Depth Charge: 0'-500'	job	1.00	\$900.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$6,037.65
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Tax Rate:	
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax:
		Total:	\$ 6,037.65
		HSI Representative:	Jesse Jones

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**





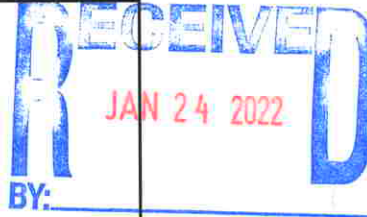
P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
1/19/2022	34037

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	Atlas Shrugged	Ness	Express Well	Oil	Development	Port Collar	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,500.00	1,500.00
330	Swift Multi-Density Standard (MIDCON II)				140	Sacks	18.00	2,520.00T
276	Flocele				50	Lb(s)	3.00	150.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
105	Port Collar Tool Rental With Man				1	Each	300.00	300.00T
581D	Service Charge Cement				200	Sacks	2.00	400.00
582D	Minimum Drayage Charge				1	Each	300.00	300.00
	Subtotal							5,416.00
	Sales Tax Ness County						6.50%	201.24
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$5,617.24



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

TICKET **34037**

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Atlas Shrugged</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Arnold</u>	DATE <u>1-19-2022</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Express</u>	RIG NAME/NO.	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>Port Collar</u>	WELL PERMIT NO.	WELL LOCATION <u>Ransom, 4-W, 1-N, 1/2-W</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS			<u>N-INTU</u>			

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF		U/M	U/M				
<u>575</u>		<u>1</u>			MILEAGE <u>Trk #115</u>	<u>20</u>	<u>mi</u>	<u>6.00</u>	<u>120.00</u>		
<u>576D</u>		<u>1</u>			<u>Pump Charge - Port Collar</u>	<u>1</u>	<u>job</u>	<u>1500.00</u>	<u>1,500.00</u>		
<u>330</u>		<u>1</u>			<u>Swift Multi-Density Cement</u>	<u>140</u>	<u>skts</u>	<u>18.00</u>	<u>2520.00</u>		
<u>276</u>		<u>1</u>			<u>Flocele</u>	<u>50</u>	<u>lbs</u>	<u>3.00</u>	<u>150.00</u>		
<u>290</u>		<u>1</u>			<u>D-Air</u>	<u>3</u>	<u>gal</u>	<u>42.00</u>	<u>126.00</u>		
<u>105</u>		<u>1</u>			<u>Port Collar Tool Rental</u>	<u>1</u>	<u>job</u>	<u>300.00</u>	<u>300.00</u>		
<u>581</u>		<u>1</u>			<u>Cement Service Charge</u>	<u>200</u>	<u>skts</u>	<u>2.00</u>	<u>400.00</u>		
<u>582</u>		<u>1</u>			<u>Minimum Drayage Charge</u>	<u>1</u>	<u>job</u>	<u>300.00</u>	<u>300.00</u>		
					SURVEY		AGREE	UNDECIDED	DISAGREE	PAGE TOTAL <u>1</u>	<u>5416.00</u>
					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?		<input type="checkbox"/> YES	<input type="checkbox"/> NO			
					<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					TOTAL	<u>5617.24</u>

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.  
 X [Signature]

DATE SIGNED 1-19-2022 TIME SIGNED 4:10  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

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!

JOB LOG

SWIFT Services, Inc.

DATE 1-19-2022 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomino Petroleum		#1		Atlas Struggled		Port Collar		34037	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1200								DN LOCATION 2 7/8" x 5 1/2"
									PC: 1940'
	<del>1315</del> 1315				✓		1,000		Test BS to 1,000 PSI * Hold - Release PSI
	1320								Open PC
	1325	3	3		✓		500		Injection RATE
	1330	3	77		✓		400		Mix 140 sks of SMD @ 11.2 ppg * Circulate CMT to Surface [+10sks]
		3	6.5		✓		450		Displace Cement
	1410								Close PC
	1415								Run 5 Jts
	1425	2 3/4	25		✓		500		Reverse Clean
	1440								Wash up Trk #115
	1530								Job Complete
									140 sks of SMD used 10 sks to the Pit
									Thanks!
									Gudean, Mark, John



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924SE 84th St  
Newton, KS 67114- 8827

ATTN: Randy Say

### **Atlas Shrugged #1**

### **18-16-24w Ness,KS**

Start Date: 2021.12.31 @ 13:55:00

End Date: 2021.12.31 @ 21:43:02

Job Ticket #: 67972                      DST #: 1

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

Printed: 2022.01.07 @ 14:43:44



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

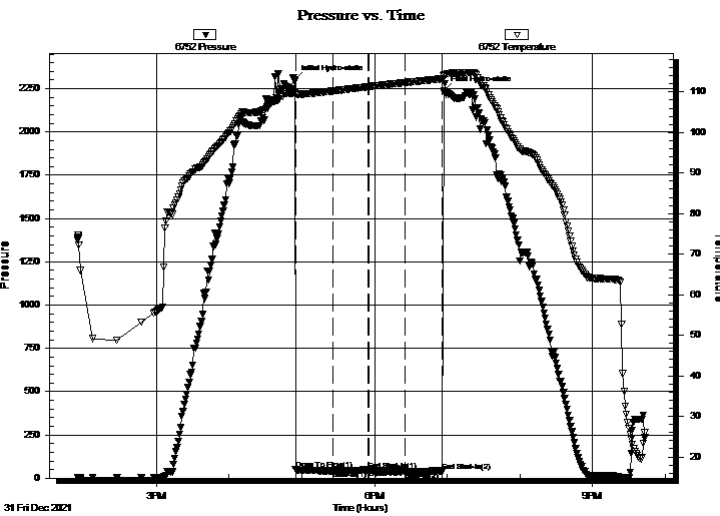
**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67972 **DST#: 1**  
Test Start: 2021.12.31 @ 13:55:00

## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 16:54:47  
Time Test Ended: 21:43:02  
Interval: **4452.00 ft (KB) To 4492.00 ft (KB) (TVD)**  
Total Depth: 4492.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Kevin Webster  
Unit No: 72  
Reference Elevations: 2550.00 ft (KB)  
2442.00 ft (CF)  
KB to GR/CF: 108.00 ft

**Serial #: 6752 Outside**  
Press@RunDepth: 41.10 psig @ 4453.00 ft (KB) Capacity: psig  
Start Date: 2021.12.31 End Date: 2021.12.31 Last Calib.: 2021.12.31  
Start Time: 13:55:01 End Time: 21:43:02 Time On Btm: 2021.12.31 @ 16:54:32  
Time Off Btm: 2021.12.31 @ 18:57:17

TEST COMMENT: 30 IF- WSB, died in 12 min  
30 IS- No returns  
30 FF- No blow  
30 FSI- No returns



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.34	109.90	Initial Hydro-static
1	53.11	109.55	Open To Flow (1)
31	42.36	110.21	Shut-In(1)
61	48.29	111.28	End Shut-In(1)
61	48.39	111.29	Open To Flow (2)
91	41.10	112.30	Shut-In(2)
122	42.31	113.25	End Shut-In(2)
123	2237.75	113.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.07

## Gas Rates

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





# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

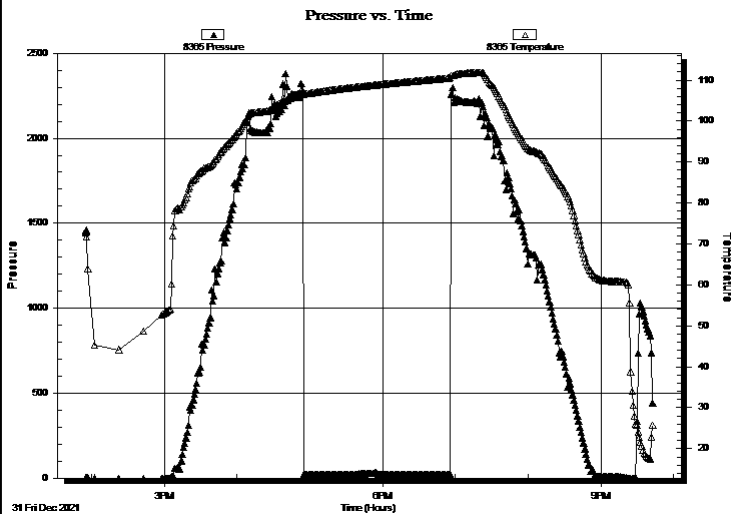
**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 67972      **DST#: 1**  
 Test Start: 2021.12.31 @ 13:55:00

## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 16:54:47  
 Time Test Ended: 21:43:02  
**Interval: 4452.00 ft (KB) To 4492.00 ft (KB) (TVD)**  
 Total Depth: 4492.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Webster  
 Unit No: 72  
 Reference Elevations: 2550.00 ft (KB)  
 2442.00 ft (CF)  
 KB to GR/CF: 108.00 ft

**Serial #: 8365**      **Inside**  
 Press@RunDepth:                      psig @ 4453.00 ft (KB)      Capacity:                                      psig  
 Start Date: 2021.12.31      End Date: 2021.12.31      Last Calib.: 2021.12.31  
 Start Time: 13:55:01      End Time: 21:43:02      Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 IF- WSB, died in 12 min  
 30 IS- No returns  
 30 FF- No blow  
 30 FSI- No returns



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67972 **DST#: 1**  
Test Start: 2021.12.31 @ 13:55:00

**Tool Information**

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4452.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			4426.00	
Shut In Tool	5.00			4431.00	
Hydraulic tool	5.00			4436.00	
Jars	5.00			4441.00	
Safety Joint	2.00			4443.00	
Packer	5.00			4448.00	27.00 Bottom Of Top Packer
Packer	4.00			4452.00	
Stubb	1.00			4453.00	
Recorder	0.00	8365	Inside	4453.00	
Recorder	0.00	6752	Outside	4453.00	
Perforations	3.00			4456.00	
Change Over Sub	1.00			4457.00	
Drill Pipe	31.00			4488.00	
Change Over Sub	1.00			4489.00	
Bullnose	3.00			4492.00	40.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67972      **DST#: 1**  
Test Start: 2021.12.31 @ 13:55:00

## 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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.070

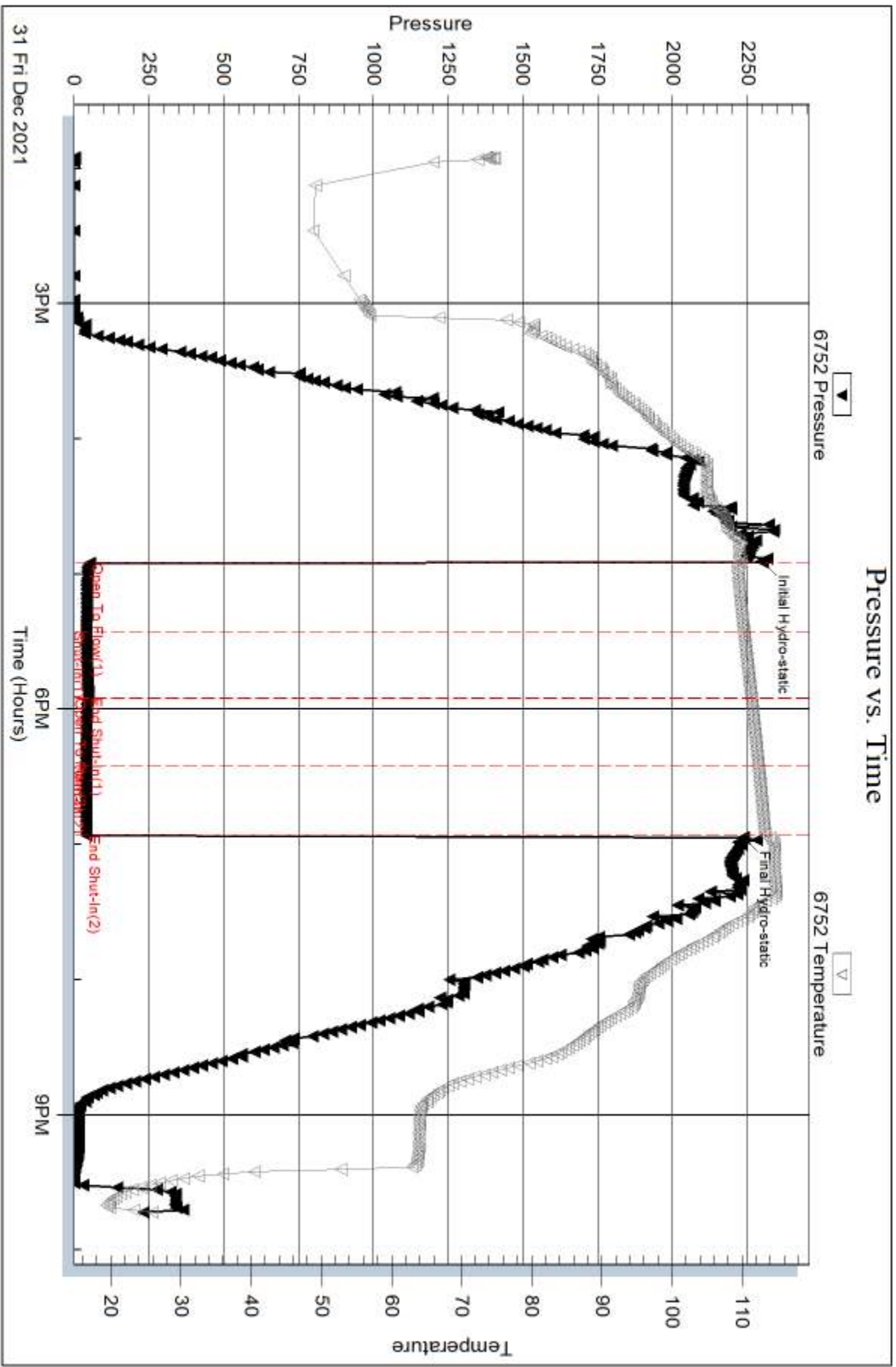
Total Length: 5.00 ft      Total Volume: 0.070 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 1# LCM

Serial #: 6752

Outside Palomino Petroleum

Atlas Shrugged #1

DST Test Number: 1



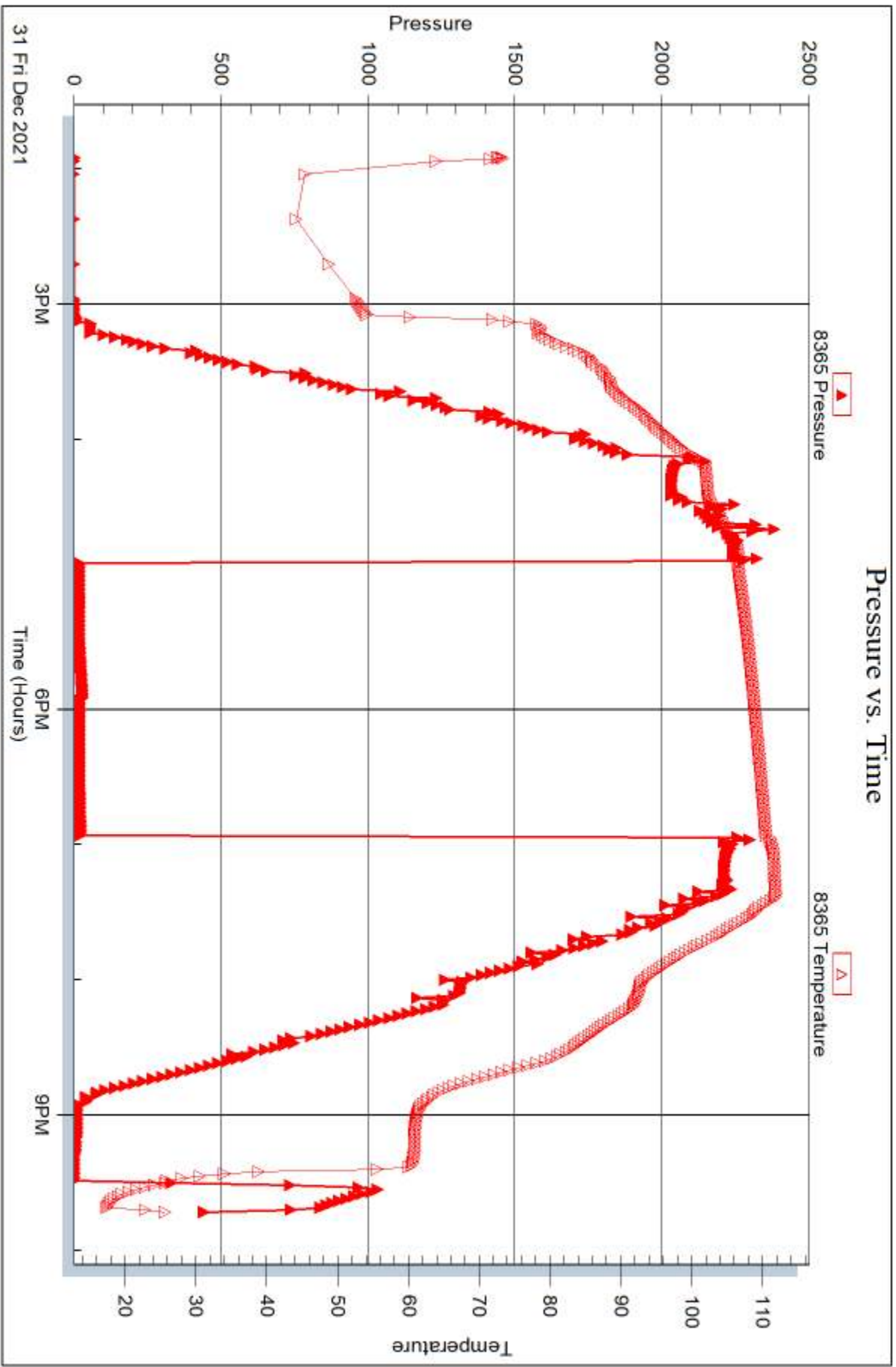
Serial #: 8365

Inside

Palomino Petroleum

Atlas Shrugged #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924SE 84th St  
Newton, KS 67114- 8827

ATTN: Randy Say

### **Atlas Shrugged #1**

### **18-16-24w Ness,KS**

Start Date: 2022.01.01 @ 10:40:00

End Date: 2022.01.01 @ 19:38:02

Job Ticket #: 67973                      DST #: 2

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

Printed: 2022.01.07 @ 14:42:29



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

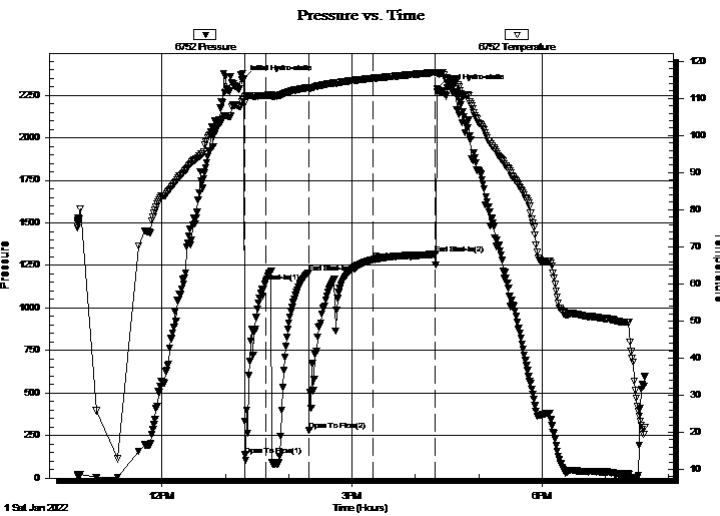
**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 67973 **DST#: 2**  
 Test Start: 2022.01.01 @ 10:40:00

## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:18:47  
 Time Test Ended: 19:38:02  
 Interval: **4452.00 ft (KB) To 4528.00 ft (KB) (TVD)**  
 Total Depth: 4492.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Kevin Webster  
 Unit No: 72  
 Reference Elevations: 2550.00 ft (KB)  
 2442.00 ft (CF)  
 KB to GR/CF: 108.00 ft

**Serial #: 6752 Outside**  
 Press@RunDepth: 1283.15 psig @ 4453.00 ft (KB) Capacity: psig  
 Start Date: 2022.01.01 End Date: 2022.01.01 Last Calib.: 2022.01.01  
 Start Time: 10:40:01 End Time: 19:38:02 Time On Btm: 2022.01.01 @ 13:17:17  
 Time Off Btm: 2022.01.01 @ 16:20:32

TEST COMMENT: 30 IF- WSB built to 2.5"  
 30 ISI- No returns  
 30 FF- WSB built to 1"  
 30 FSI- No returns



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2344.73	109.59	Initial Hydro-static
2	136.32	110.38	Open To Flow (1)
21	1151.40	110.80	Shut-In(1)
62	1207.48	112.89	End Shut-In(1)
63	280.96	112.76	Open To Flow (2)
123	1283.15	115.41	Shut-In(2)
182	1316.28	116.97	End Shut-In(2)
184	2290.53	116.67	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	1% Oil 99% Mud	0.56

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 Newton, KS 67114- 8827  
 ATTN: Randy Say

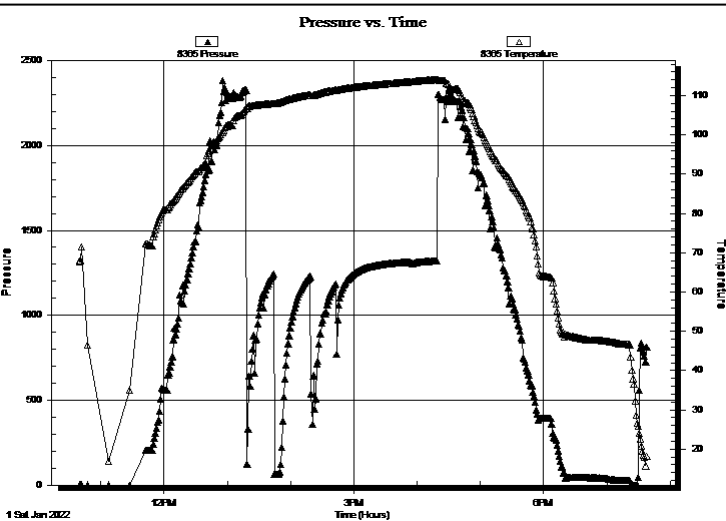
**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 67973 **DST#: 2**  
 Test Start: 2022.01.01 @ 10:40:00

### GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:18:47  
 Time Test Ended: 19:38:02  
**Interval: 4452.00 ft (KB) To 4528.00 ft (KB) (TVD)**  
 Total Depth: 4492.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches  
 Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Kevin Webster  
 Unit No: 72  
 Reference Elevations: 2550.00 ft (KB)  
 2442.00 ft (CF)  
 KB to GR/CF: 108.00 ft

**Serial #: 8365** **Inside**  
 Press@RunDepth: psig @ 4453.00 ft (KB) Capacity: psig  
 Start Date: 2022.01.01 End Date: 2022.01.01 Last Calib.: 2022.01.01  
 Start Time: 10:40:01 End Time: 19:38:02 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 IF- WSB built to 2.5"  
 30 IS- No returns  
 30 FF- WSB built to 1"  
 30 FS- No returns



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

Recovery		
Length (ft)	Description	Volume (bbl)
40.00	1% Oil 99% Mud	0.56

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  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67973      **DST#: 2**  
Test Start: 2022.01.01 @ 10:40:00

**Tool Information**

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 62.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4452.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			4426.00	
Shut In Tool	5.00			4431.00	
Hydraulic tool	5.00			4436.00	
Jars	5.00			4441.00	
Safety Joint	2.00			4443.00	
Packer	5.00			4448.00	27.00      Bottom Of Top Packer
Packer	4.00			4452.00	
Stubb	1.00			4453.00	
Recorder	0.00	8365	Inside	4453.00	
Recorder	0.00	6752	Outside	4453.00	
Perforations	8.00			4461.00	
Change Over Sub	1.00			4462.00	
Drill Pipe	62.00			4524.00	
Change Over Sub	1.00			4525.00	
Bullnose	3.00			4528.00	76.00      Bottom Packers & Anchor

**Total Tool Length: 103.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67973      **DST#: 2**  
Test Start: 2022.01.01 @ 10:40:00

### Mud and Cushion Information

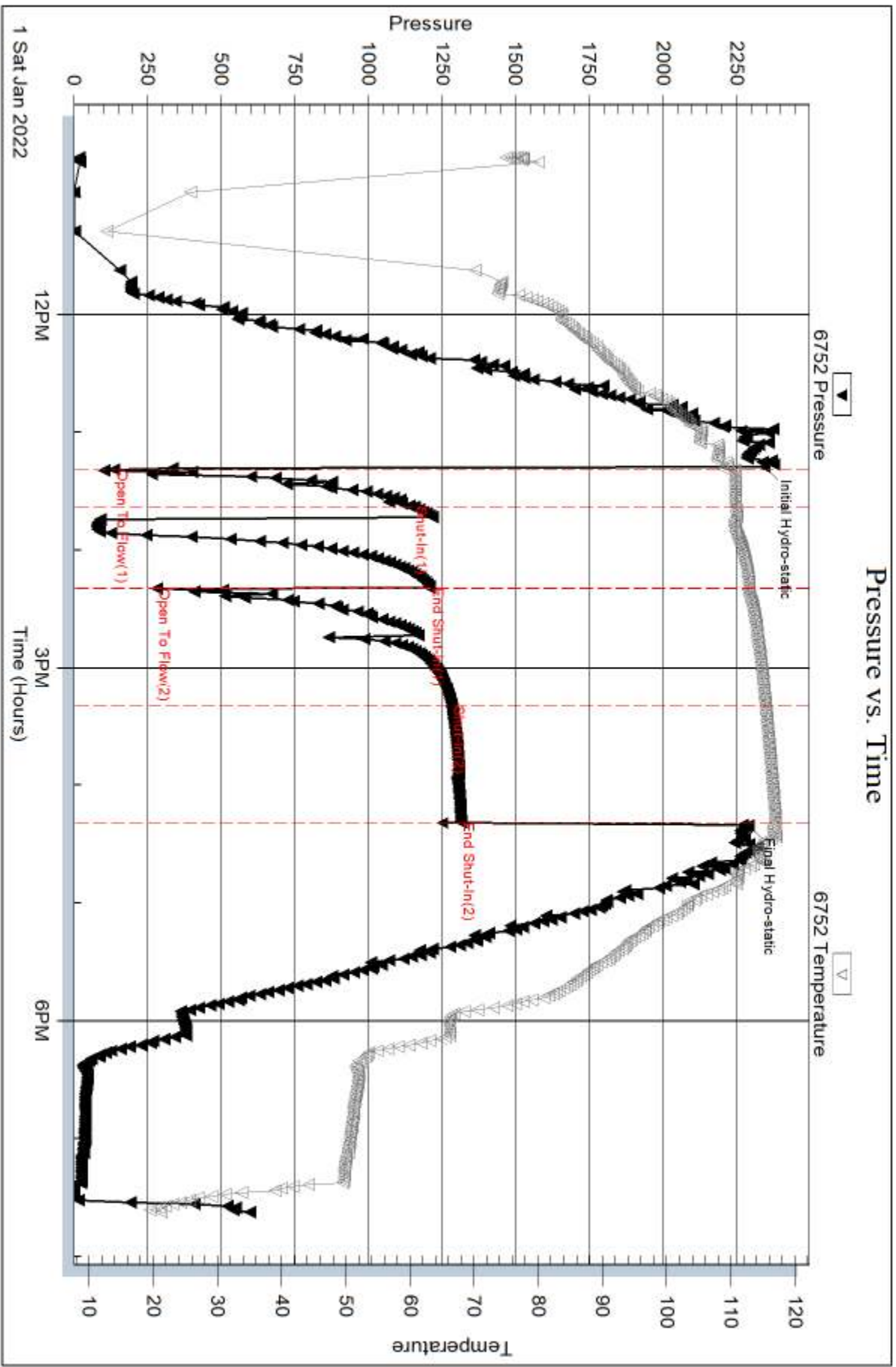
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	1% Oil 99% Mud	0.561

Total Length: 40.00 ft      Total Volume: 0.561 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 1# LCM



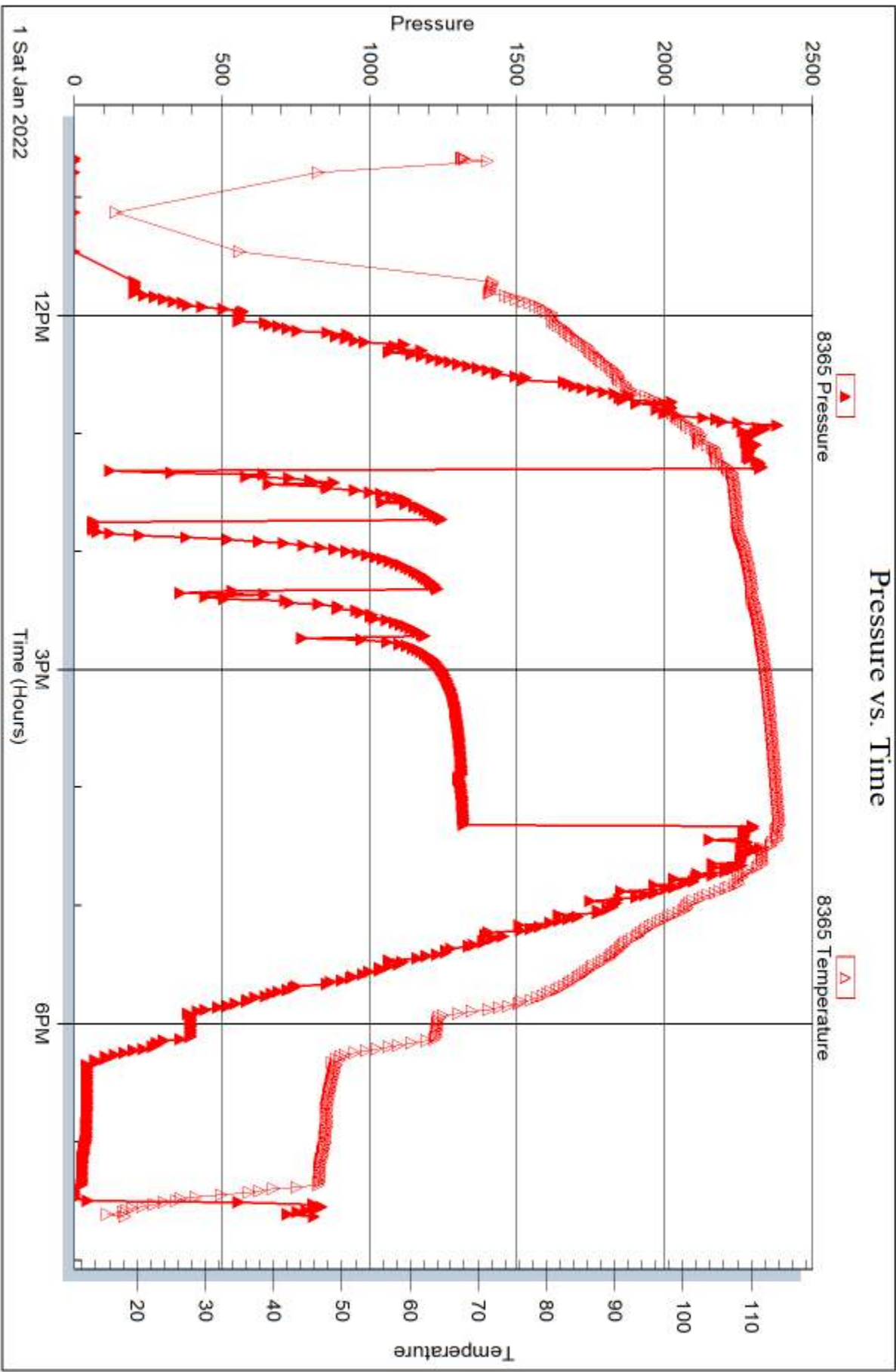
Serial #: 8365

Inside

Palomino Petroleum

Atlas Shrugged #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67973

Printed: 2022.01.07 @ 14:42:30



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924SE 84th St  
Newton, KS 67114- 8827

ATTN: Randy Say

### **Atlas Shrugged #1**

### **18-16-24w, Ness,KS**

Start Date: 2021.12.31 @ 13:55:00

End Date:

Job Ticket #: 67974

DST #: 3

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

Printed: 2022.01.07 @ 12:08:02



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67974      **DST#: 3**  
Test Start: 2021.12.31 @ 13:55:00

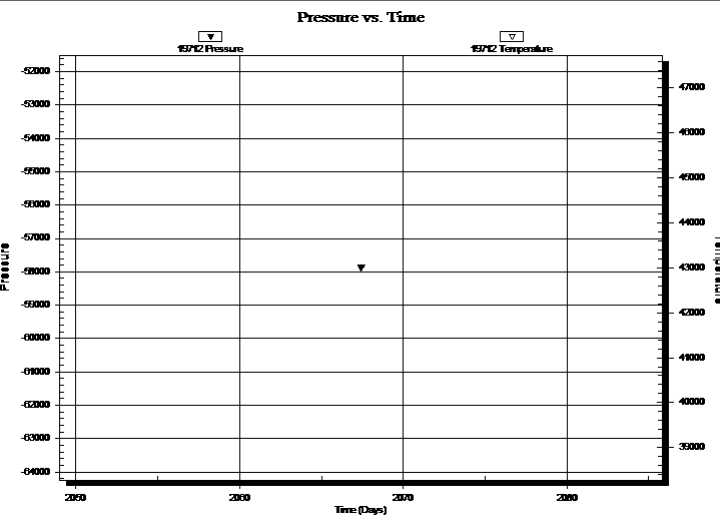
## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No      Whipstock:      ft (KB)      Test Type: Conventional Straddle (Reset)  
Time Tool Opened:      Tester: Kevin Webster  
Time Test Ended:      Unit No: 72  
**Interval: 4463.00 ft (KB) To 4540.00 ft (KB) (TVD)**      Reference Elevations: 2550.00 ft (KB)  
Total Depth: 4620.00 ft (KB) (TVD)      2442.00 ft (CF)  
Hole Diameter: 7.78 inches      Hole Condition:      KB to GR/CF: 108.00 ft

## Serial #: 19712

Press@RunDepth:      psig @      ft (KB)      Capacity: 26510000.00 psig  
Start Date: 2067.06.07      End Date: 2067.06.07      Last Calib.: 1899.12.30  
Start Time: 14:56:12      End Time: 14:56:12      Time On Btm:  
Time Off Btm:

TEST COMMENT: Misrun - reprogrammed recorders before dow nloaded data



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

Recovery		
Length (ft)	Description	Volume (bbl)

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  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67974      **DST#: 3**  
Test Start: 2021.12.31 @ 13:55:00

**Tool Information**

Drill Pipe:	Length: 4449.00 ft	Diameter: 3.80 inches	Volume: 62.41 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 62.41 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4463.00 ft			Final	lb
Depth to Bottom Packer:	4540.00 ft				
Interval between Packers:	77.00 ft				
Tool Length:	223.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

**Tool Description**

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

Shut In Tool	5.00			4446.00		
Hydraulic tool	5.00			4451.00		
Jars	5.00			4456.00		
Safety Joint	3.00			4459.00		
Packer	4.00			4463.00	22.00	Bottom Of Top Packer
Stubb	1.00			4464.00		
Change Over Sub	1.00			4465.00		
Drill Pipe	62.00			4527.00		
Change Over Sub	1.00			4528.00		
Perforations	12.00			4540.00		
Packer	5.00			4545.00		
Packer	4.00			4549.00		
Stubb	1.00			4550.00		
Recorder	0.00	6752	Outside	4550.00		
Recorder	0.00	8365	Outside	4550.00		
Perforations	33.00			4583.00		
Blank Spacing	1.00			4584.00	77.00	Tool Interval
Packer	4.00			4588.00		
Stubb	1.00			4589.00		
Change Over Sub	1.00			4590.00		
Drill Pipe	62.00			4652.00		
Change Over Sub	1.00			4653.00		
Perforations	8.00			4661.00		
Recorder	0.00	6572	Below	4661.00		
Bullnose	3.00			4664.00	124.00	Bottom Packers & Anchor

**Total Tool Length: 223.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67974      **DST#: 3**  
Test Start: 2021.12.31 @ 13:55:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl

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

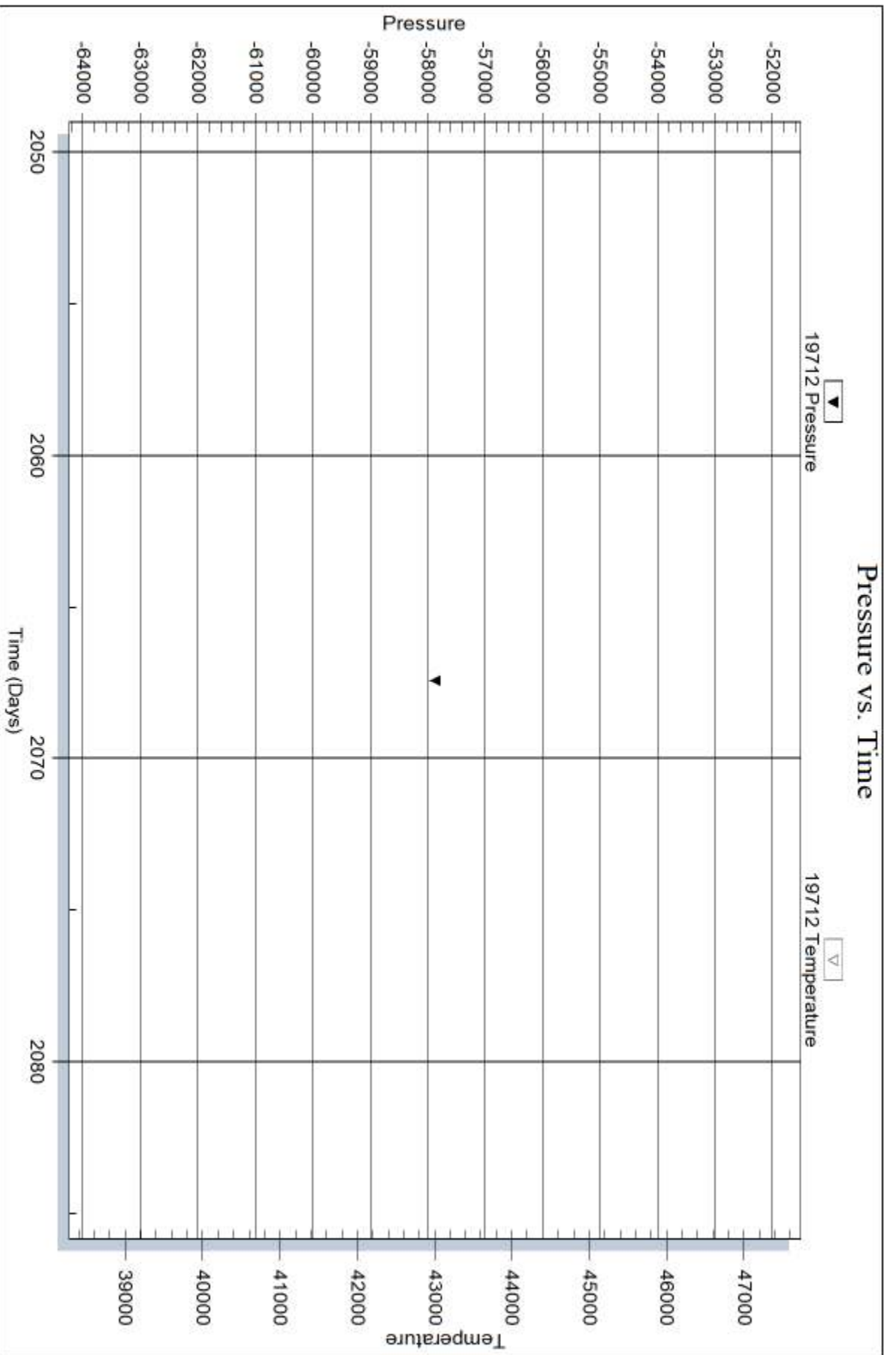


Serial #: 19712

Palomino Petroleum

Atlas Shrigged #1

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924SE 84th St  
Newton, KS 67114- 8827

ATTN: Randy Say

### **Atlas Shrugged #1**

### **18-16-24w, Ness,KS**

Start Date: 2022.01.04 @ 19:27:00

End Date: 2022.01.05 @ 01:53:02

Job Ticket #: 67975                      DST #: 4

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

Printed: 2022.01.07 @ 11:56:22



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

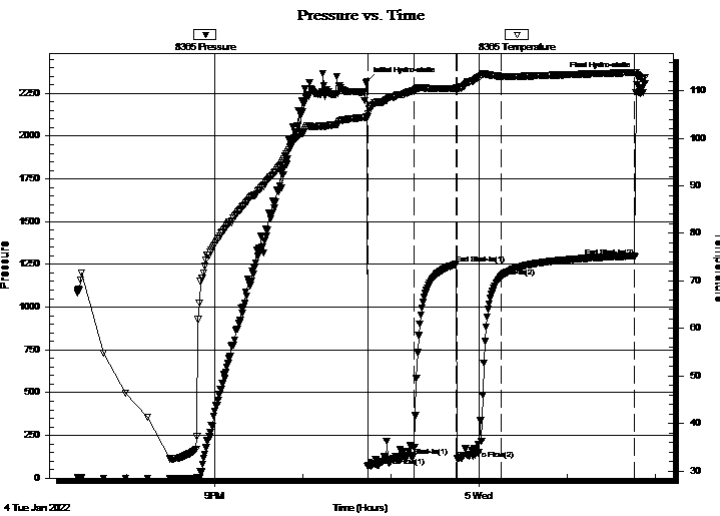
**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 67975 **DST#: 4**  
 Test Start: 2022.01.04 @ 19:27:00

## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:44:17  
 Time Test Ended: 01:53:02  
 Interval: **4463.00 ft (KB) To 4540.00 ft (KB) (TVD)**  
 Total Depth: 4620.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Kevin Webster  
 Unit No: 72  
 Reference Elevations: 2550.00 ft (KB)  
 2442.00 ft (CF)  
 KB to GR/CF: 108.00 ft

**Serial #: 8365 Outside**  
 Press@RunDepth: 1179.15 psig @ 4545.00 ft (KB) Capacity: psig  
 Start Date: 2022.01.04 End Date: 2022.01.05 Last Calib.: 2022.01.04  
 Start Time: 19:27:01 End Time: 01:53:02 Time On Btm: 2022.01.04 @ 22:43:47  
 Time Off Btm: 2022.01.05 @ 01:47:47

**TEST COMMENT:** 30 IF-WSB built to 7"  
 30 IS- No returns  
 30 FF- WSB built to 4"  
 30 FS- No returns



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.05	104.54	Initial Hydro-static
1	68.31	104.60	Open To Flow (1)
32	125.84	110.03	Shut-In(1)
61	1251.04	110.52	End Shut-In(1)
62	112.95	110.40	Open To Flow (2)
92	1179.15	113.02	Shut-In(2)
183	1295.32	113.83	End Shut-In(2)
184	2346.92	113.28	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
186.00	1% Oil 99% Mud	2.61

\* Recovery from multiple tests

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

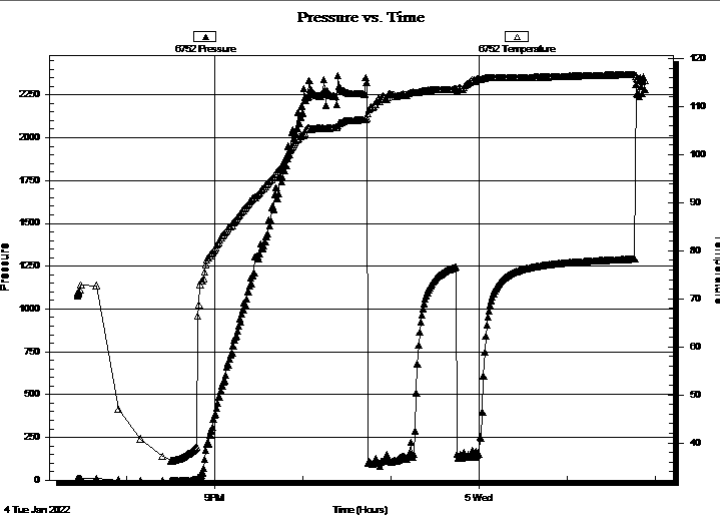
**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 67975 **DST#: 4**  
 Test Start: 2022.01.04 @ 19:27:00

**GENERAL INFORMATION:**

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 22:44:17  
 Tester: Kevin Webster  
 Time Test Ended: 01:53:02  
 Unit No: 72  
**Interval: 4463.00 ft (KB) To 4540.00 ft (KB) (TVD)**  
 Reference Elevations: 2550.00 ft (KB)  
 Total Depth: 4620.00 ft (KB) (TVD)  
 2442.00 ft (CF)  
 Hole Diameter: 7.78 inches  
 Hole Condition: Fair  
 KB to GR/CF: 108.00 ft

**Serial #: 6752 Outside**  
 Press@RunDepth: psig @ 4545.00 ft (KB) Capacity:  
 Start Date: 2022.01.04 End Date: 2022.01.05 Last Calib.: 2022.01.04  
 Start Time: 19:27:01 End Time: 01:53:02 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 IF-WSB built to 7"  
 30 IS- No returns  
 30 FF- WSB built to 4"  
 30 FS- No returns



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

Recovery		
Length (ft)	Description	Volume (bbl)
186.00	1% Oil 99% Mud	2.61

\* Recovery from multiple tests

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

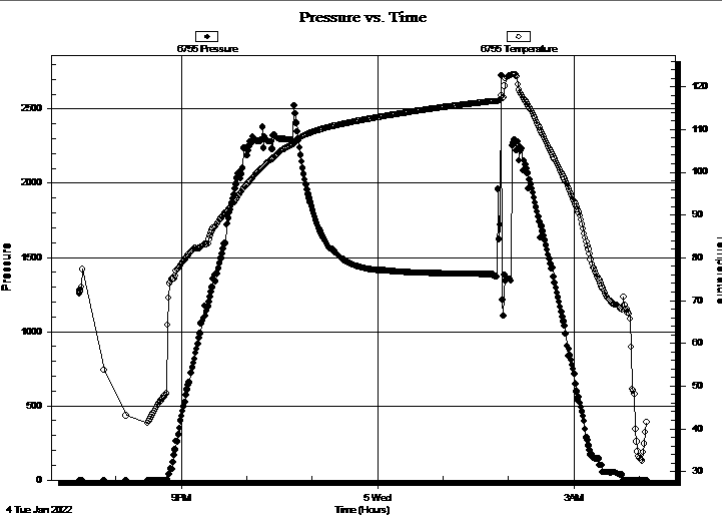
**18-16-24w, Ness, KS**  
**Atlas Shrugged #1**  
 Job Ticket: 67975 **DST#: 4**  
 Test Start: 2022.01.04 @ 19:27:00

## GENERAL INFORMATION:

Formation: <b>Miss.</b>			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Straddle (Reset)	
Time Tool Opened: 22:44:17		Tester: Kevin Webster	
Time Test Ended: 01:53:02		Unit No: 72	
<b>Interval: 4463.00 ft (KB) To 4540.00 ft (KB) (TVD)</b>		Reference Elevations: 2550.00 ft (KB)	
Total Depth: 4620.00 ft (KB) (TVD)		2442.00 ft (CF)	
Hole Diameter: 7.78 inches	Hole Condition: Fair	KB to GR/CF: 108.00 ft	

<b>Serial #: 6755</b>	<b>Below (Straddle)</b>			
Press@RunDepth:           psig @	4664.00 ft (KB)	Capacity:		psig
Start Date: 2022.01.04	End Date: 2022.01.05	Last Calib.:	2022.01.04	
Start Time: 19:27:01	End Time: 04:07:02	Time On Btm:		
		Time Off Btm:		

TEST COMMENT: 30 IF-WSB built to 7"  
 30 IS- No returns  
 30 FF- WSB built to 4"  
 30 FS- No returns



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

Recovery		
Length (ft)	Description	Volume (bbl)
186.00	1% Oil 99% Mud	2.61

\* Recovery from multiple tests

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67975 **DST#: 4**  
Test Start: 2022.01.04 @ 19:27:00

## Tool Information

Drill Pipe:	Length: 4444.00 ft	Diameter: 3.80 inches	Volume: 62.34 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 140000.0 lb
			<u>Total Volume: 62.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4463.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4540.00 ft			
Interval between Packers:	77.00 ft			
Tool Length:	231.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4441.00	
Hydraulic tool	5.00			4446.00	
Jars	5.00			4451.00	
Safety Joint	3.00			4454.00	
Packer	5.00			4459.00	27.00 Bottom Of Top Packer
Packer	4.00			4463.00	
Stubb	1.00			4464.00	
Change Over Sub	1.00			4465.00	
Drill Pipe	62.00			4527.00	
Change Over Sub	1.00			4528.00	
Perforations	12.00			4540.00	
Packer	4.00			4544.00	
Stubb	1.00			4545.00	
Recorder	0.00	6752	Outside	4545.00	
Recorder	0.00	8365	Outside	4545.00	
Perforations	33.00			4578.00	
Blank Spacing	1.00			4579.00	77.00 Tool Interval
Packer	4.00			4583.00	
Stubb	1.00			4584.00	
Change Over Sub	1.00			4585.00	
Drill Pipe	62.00			4647.00	
Change Over Sub	1.00			4648.00	
Perforations	16.00			4664.00	
Recorder	0.00	6755	Below	4664.00	
Bullnose	3.00			4667.00	127.00 Bottom Packers & Anchor

**Total Tool Length: 231.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 67975      **DST#: 4**  
Test Start: 2022.01.04 @ 19:27:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

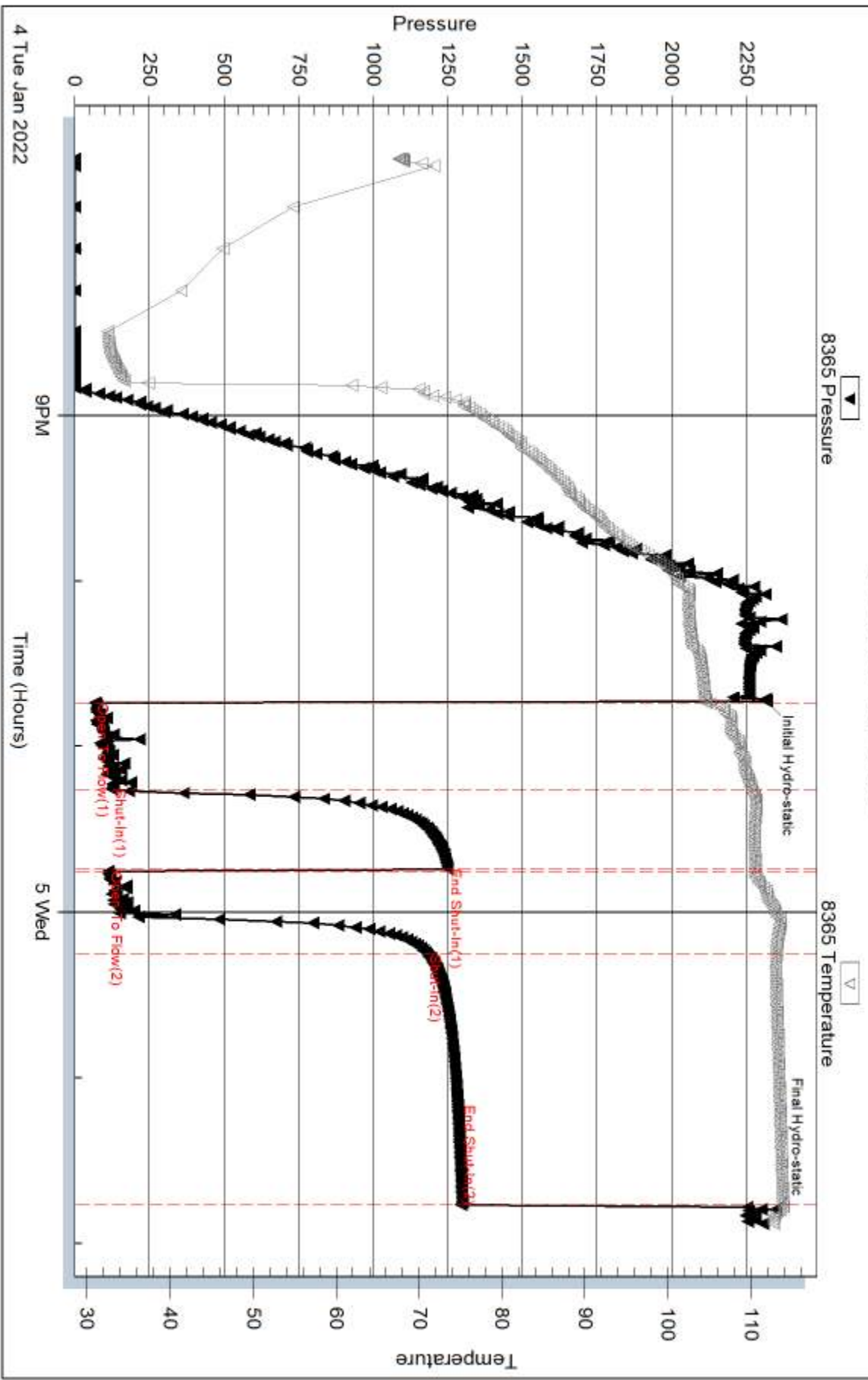
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	1% Oil 99% Mud	2.609

Total Length: 186.00 ft      Total Volume: 2.609 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: 1# LCM

### Pressure vs. Time



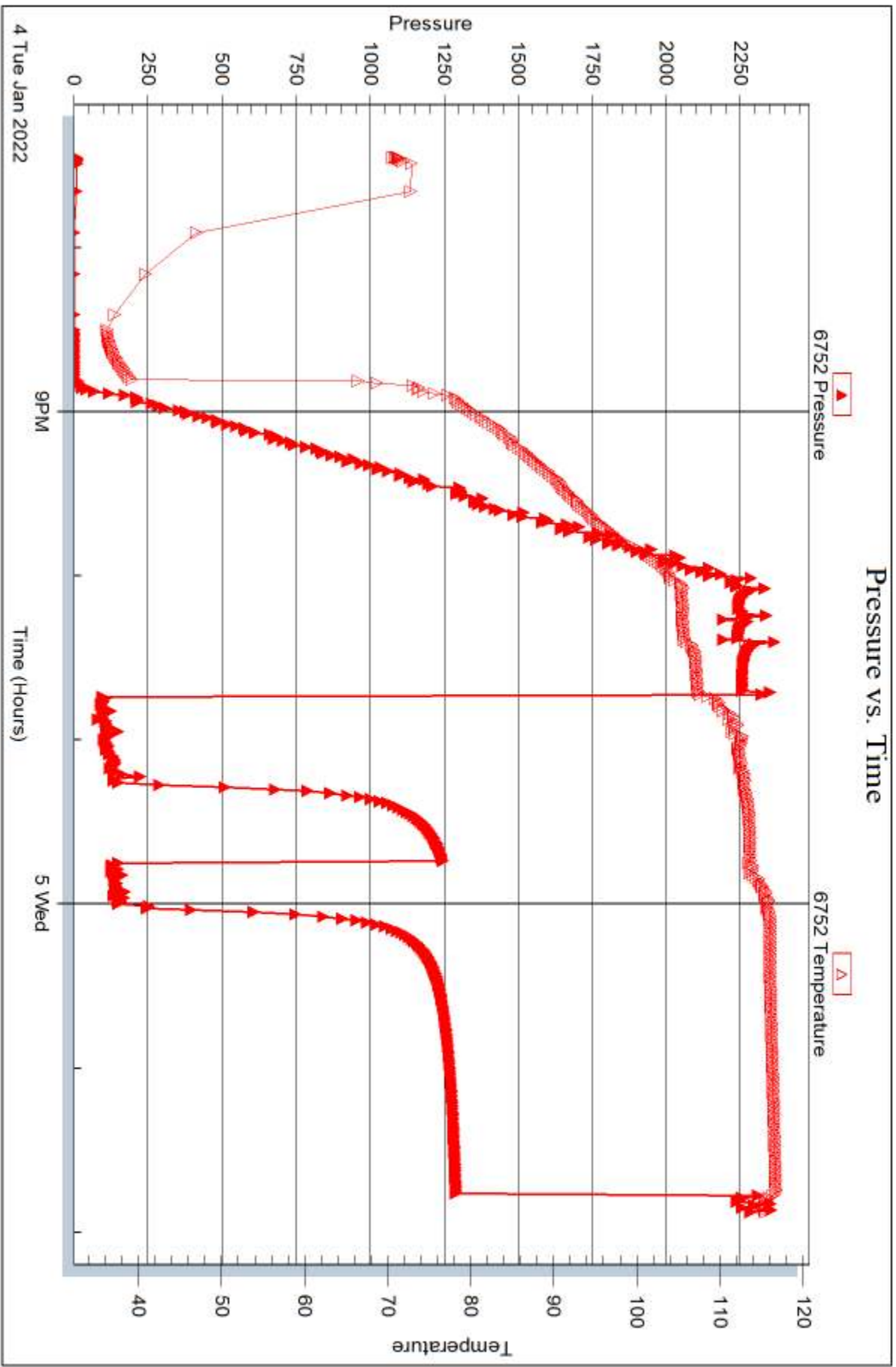


Serial #: 6752

Outside Palomino Petroleum

Atlas Shrugged #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67975

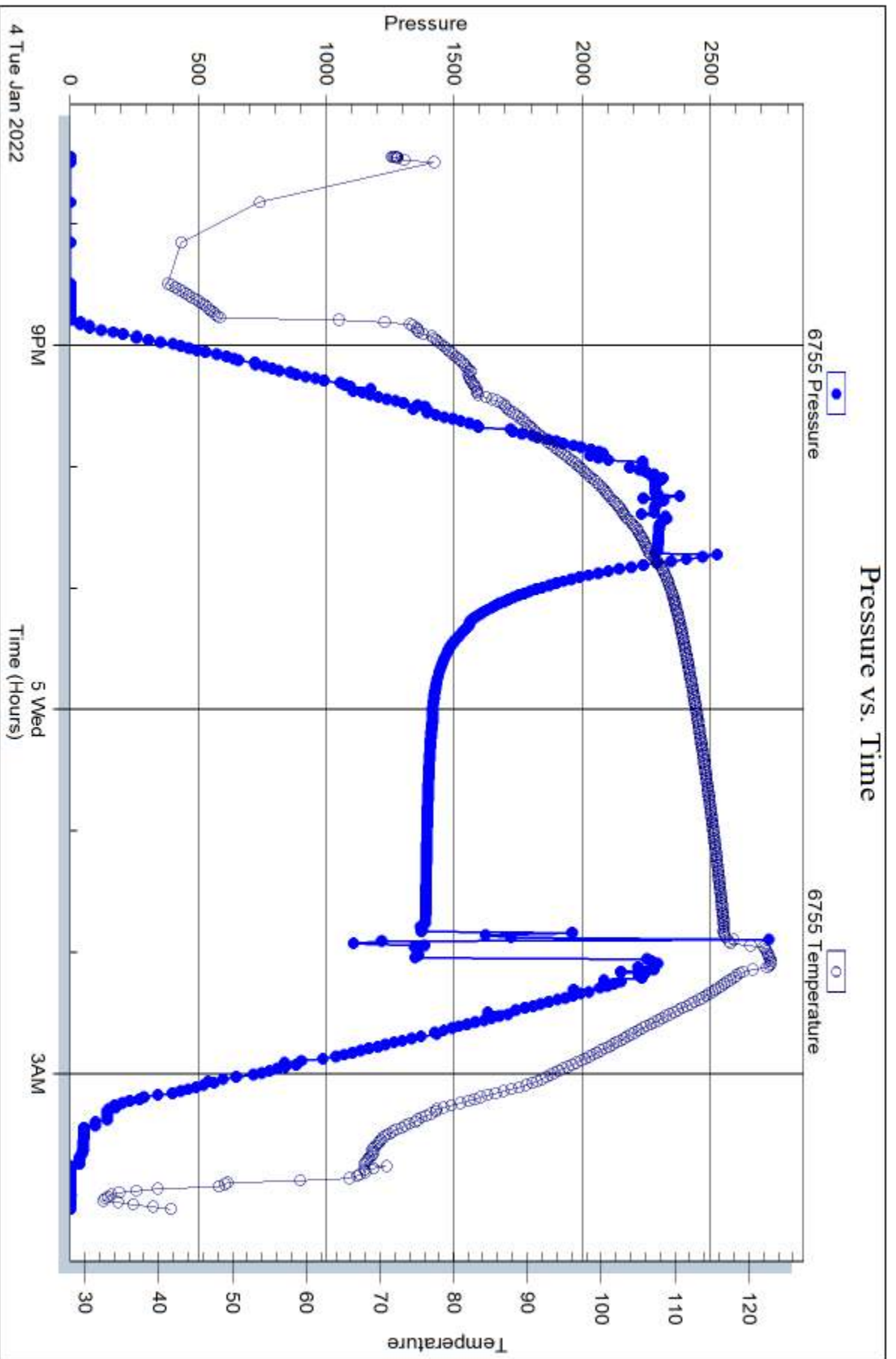
Printed: 2022.01.07 @ 11:56:26

Serial #: 6755

Below (Str Ratten) Petroleum

Atlas Shrugged #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67975

Printed: 2022.01.07 @ 11:56:26



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924SE 84th St  
Newton, KS 67114- 8827

ATTN: Randy Say

### **Atlas Shrugged #1**

#### **18-16-24w, Ness,KS**

Start Date: 2022.01.04 @ 11:45:00

End Date: 2022.01.04 @ 17:55:02

Job Ticket #: 68451                      DST #: 5

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

Printed: 2022.01.07 @ 12:02:47



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 68451 **DST#: 5**  
 Test Start: 2022.01.04 @ 11:45:00

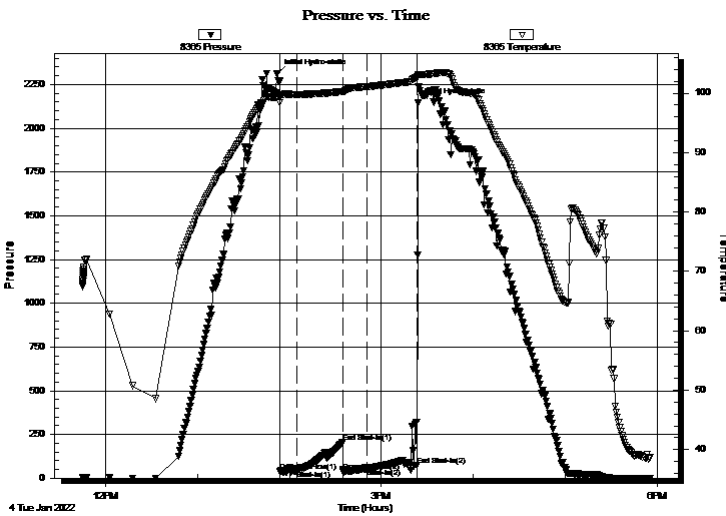
## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:53:47  
 Time Test Ended: 17:55:02  
 Interval: **4400.00 ft (KB) To 4441.00 ft (KB) (TVD)**  
 Total Depth: 4620.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Kevin Webster  
 Unit No: 72  
 Reference Elevations: 2550.00 ft (KB)  
 2442.00 ft (CF)  
 KB to GR/CF: 108.00 ft

**Serial #: 8365 Inside**  
 Press@RunDepth: 55.27 psig @ 4401.00 ft (KB) Capacity: psig  
 Start Date: 2022.01.04 End Date: 2022.01.04 Last Calib.: 2022.01.04  
 Start Time: 11:45:01 End Time: 17:55:02 Time On Btm: 2022.01.04 @ 13:52:02  
 Time Off Btm: 2022.01.04 @ 15:23:47

**TEST COMMENT:** 30 IF-WSB built to 1/4"  
 30 IS- No returns  
 30 FF-WSB died in 5 min  
 30 FS- No returns

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2311.81	99.35	Initial Hydro-static
2	37.32	98.40	Open To Flow (1)
13	47.24	99.78	Shut-In(1)
43	203.96	100.24	End Shut-In(1)
43	36.85	100.24	Open To Flow (2)
59	55.27	101.10	Shut-In(2)
91	72.50	102.53	End Shut-In(2)
92	2144.91	103.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	1% Oil 99% Mud	0.07

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**

**Atlas Shrugged #1**

Job Ticket: 68451

**DST#: 5**

Test Start: 2022.01.04 @ 11:45:00

## GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:53:47

Time Test Ended: 17:55:02

Test Type: Conventional Straddle (Reset)

Tester: Kevin Webster

Unit No: 72

**Interval: 4400.00 ft (KB) To 4441.00 ft (KB) (TVD)**

Reference Elevations: 2550.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2442.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 108.00 ft

**Serial #: 6752 Outside**

Press@RunDepth: psig @ 4401.00 ft (KB)

Capacity: psig

Start Date: 2022.01.04

End Date:

2022.01.04

Last Calib.:

2022.01.04

Start Time: 11:45:01

End Time:

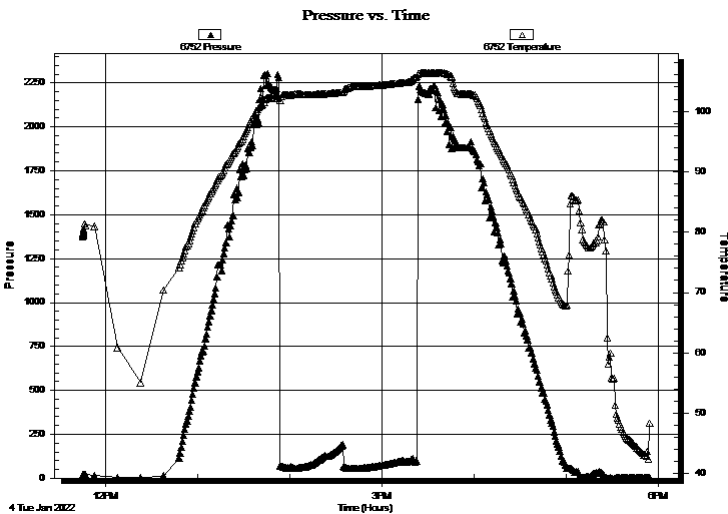
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Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30 IF-WSB built to 1/4"  
30 IS- No returns  
30 FF-WSB died in 5 min  
30 FS- No returns

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	1% Oil 99% Mud	0.07

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

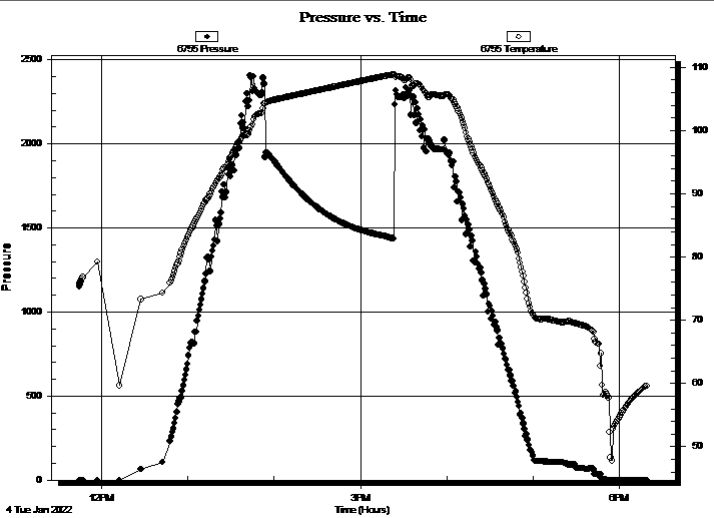
**18-16-24w, Ness, KS**  
**Atlas Shrugged #1**  
 Job Ticket: 68451 **DST#: 5**  
 Test Start: 2022.01.04 @ 11:45:00

**GENERAL INFORMATION:**

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 13:53:47 Tester: Kevin Webster  
 Time Test Ended: 17:55:02 Unit No: 72  
 Interval: **4400.00 ft (KB) To 4441.00 ft (KB) (TVD)** Reference Elevations: 2550.00 ft (KB)  
 Total Depth: 4620.00 ft (KB) (TVD) 2442.00 ft (CF)  
 Hole Diameter: 7.78 inches Hole Condition: Fair KB to GR/CF: 108.00 ft

**Serial #: 6755 Below (Straddle)**  
 Press@RunDepth: psig @ 4406.00 ft (KB) Capacity: psig  
 Start Date: 2022.01.04 End Date: 2022.01.04 Last Calib.: 2022.01.04  
 Start Time: 11:45:01 End Time: 18:19:02 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 IF-WSB built to 1/4"  
 30 IS- No returns  
 30 FF-WSB died in 5 min  
 30 FS- No returns



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

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	1% Oil 99% Mud	0.07

\* Recovery from multiple tests

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 68451      **DST#: 5**  
Test Start: 2022.01.04 @ 11:45:00

**Tool Information**

Drill Pipe:	Length: 4382.00 ft	Diameter: 3.80 inches	Volume: 61.47 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4400.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4441.00 ft			
Interval between Packers:	41.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

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

Change Over Sub	1.00			4374.00	
Shut In Tool	5.00			4379.00	
Hydraulic tool	5.00			4384.00	
Jars	5.00			4389.00	
Safety Joint	2.00			4391.00	
Packer	5.00			4396.00	27.00 Bottom Of Top Packer
Packer	4.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	8365	Inside	4401.00	
Recorder	0.00	6752	Outside	4401.00	
Perforations	4.00			4405.00	
Change Over Sub	1.00			4406.00	
Recorder	0.00	6755	Below	4406.00	
Drill Pipe	31.00			4437.00	
Change Over Sub	1.00			4438.00	
Bullnose	3.00			4441.00	41.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>68.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 68451      **DST#: 5**  
Test Start: 2022.01.04 @ 11:45:00

### 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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	1%Oil 99% Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



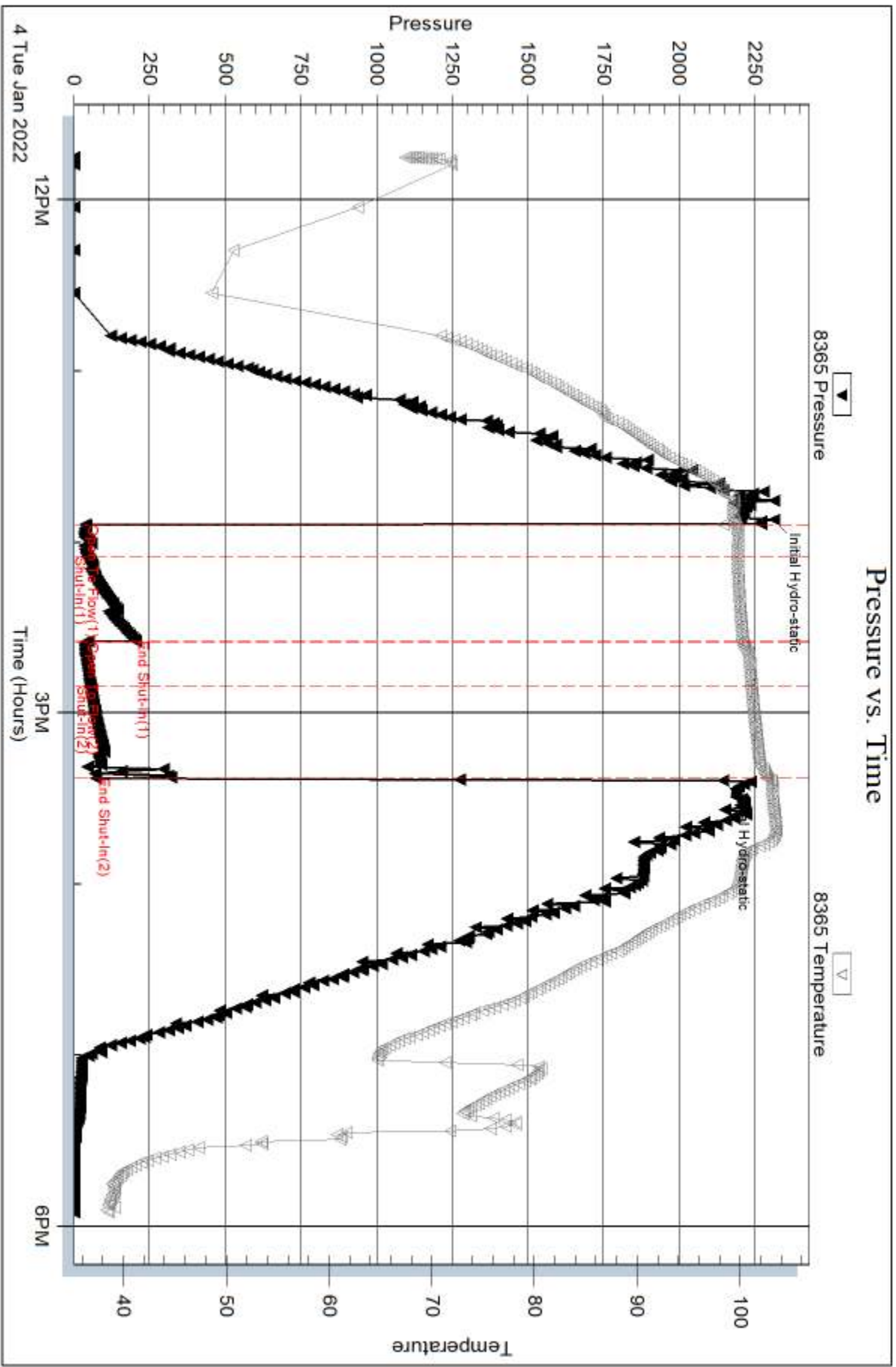
Serial #: 8365

Inside

Palomino Petroleum

Atlas Strugged #1

DST Test Number: 5



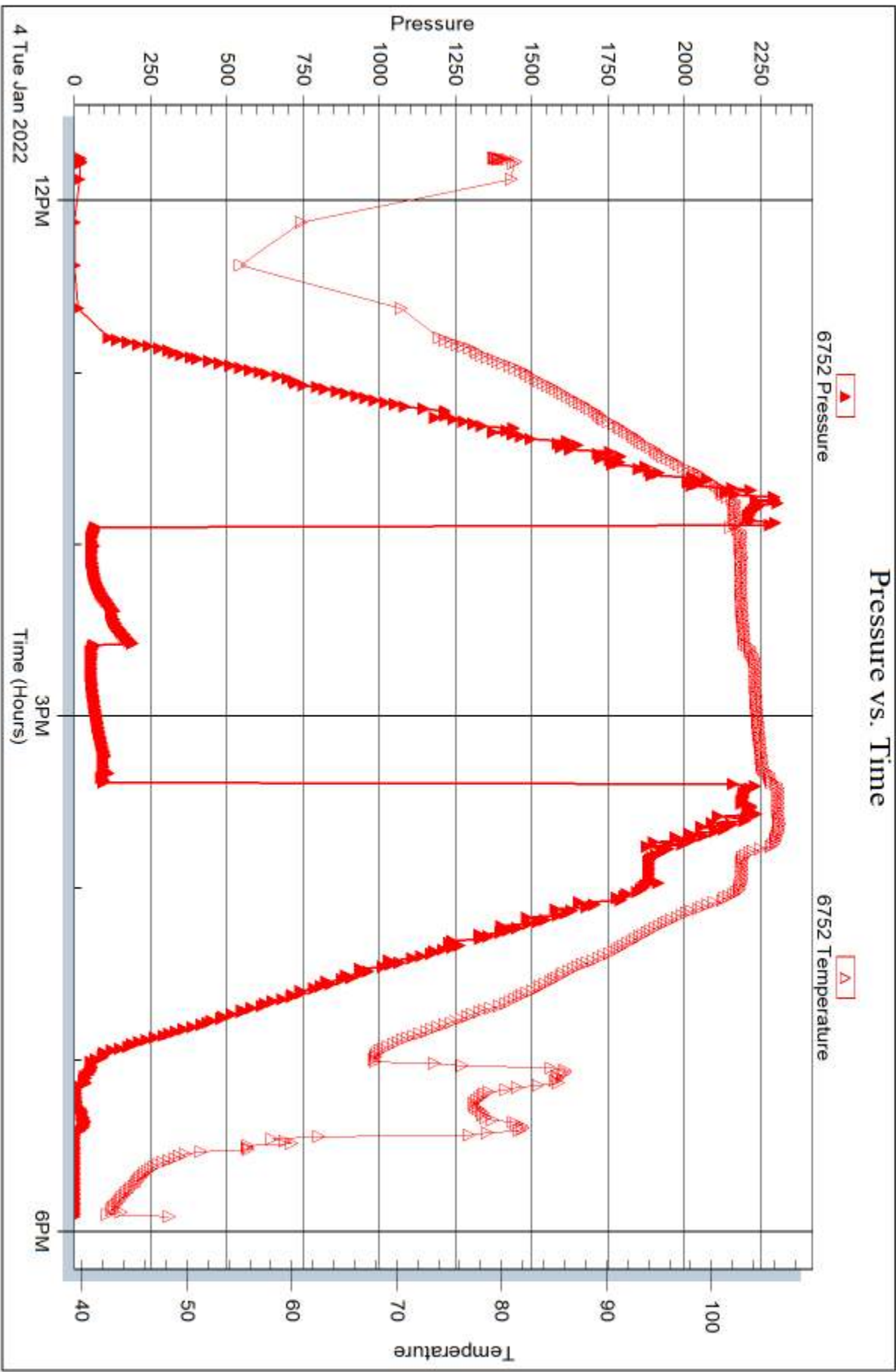
Serial #: 6752

Outside

Palomino Petroleum

Atlas Shrugged #1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 68451

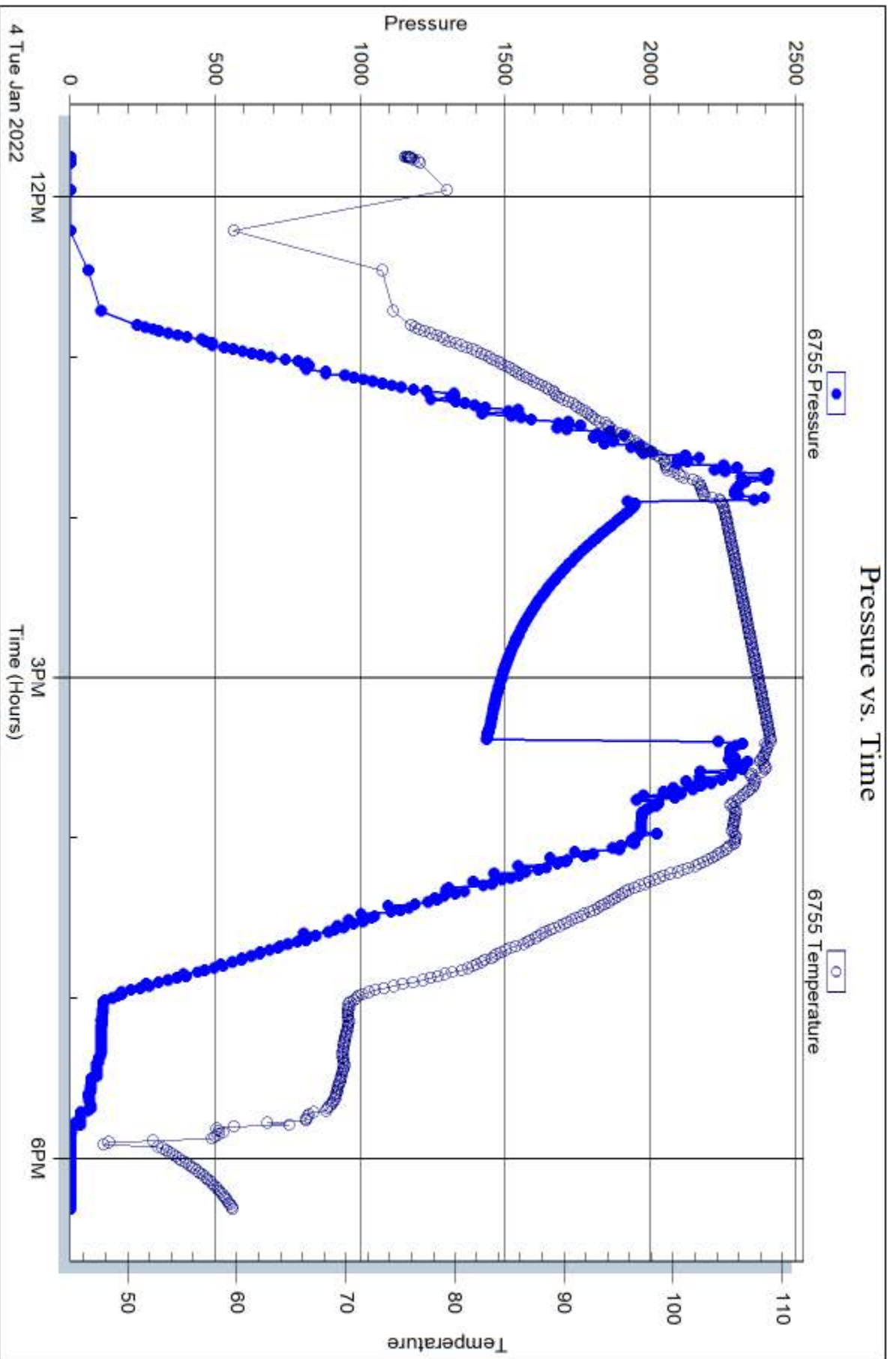
Printed: 2022.01.07 @ 12:02:48

Serial #: 6755

Below (Str Ratten) Petroleum

Atlas Shrugged #1

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 68451

Printed: 2022.01.07 @ 12:02:48



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924SE 84th St  
Newton, KS 67114- 8827

ATTN: Randy Say

### **Atlas Shrugged #1**

### **18-16-24w, Ness,KS**

Start Date: 2022.01.05 @ 21:19:00

End Date: 2022.01.06 @ 05:45:01

Job Ticket #: 68452                      DST #: 6

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

Printed: 2022.01.07 @ 11:48:25



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 68452      **DST#: 6**  
Test Start: 2022.01.05 @ 21:19:00

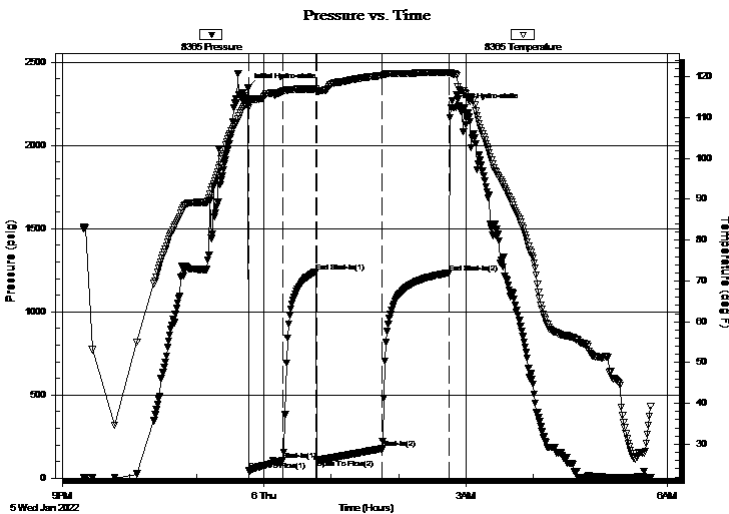
## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Straddle (Reset)  
Time Tool Opened: 23:46:17      Tester: Kevin Webster  
Time Test Ended: 05:45:01      Unit No: 72  
**Interval: 4315.00 ft (KB) To 4555.00 ft (KB) (TVD)**      Reference Elevations: 2550.00 ft (KB)  
Total Depth: 4620.00 ft (KB) (TVD)      2442.00 ft (CF)  
Hole Diameter: 7.78 inches Hole Condition: Fair      KB to GR/CF: 108.00 ft

**Serial #: 8365      Outside**  
Press@RunDepth: 177.37 psig @ 4372.00 ft (KB)      Capacity:      psig  
Start Date: 2022.01.05      End Date: 2022.01.06      Last Calib.: 2022.01.05  
Start Time: 21:19:01      End Time: 05:45:02      Time On Btm: 2022.01.05 @ 23:45:47  
Time Off Btm: 2022.01.06 @ 02:46:47

**TEST COMMENT:** 30 IF- WSB built to bob 22 min  
30 IS- No returns  
30 FF- WSB built to bob in 28 min  
30 FSI- No returns

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2345.44	113.51	Initial Hydro-static
1	44.43	112.36	Open To Flow (1)
32	106.18	116.51	Shut-In(1)
60	1240.10	116.94	End Shut-In(1)
61	111.70	116.46	Open To Flow (2)
120	177.37	120.33	Shut-In(2)
180	1234.48	120.94	End Shut-In(2)
181	2226.24	120.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	124' GIP	0.00
124.00	15% Gas 85% Oil	1.74
248.00	5% Oil 95% Mud	3.48

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924SE 84th St  
 New ton, KS 67114- 8827  
 ATTN: Randy Say

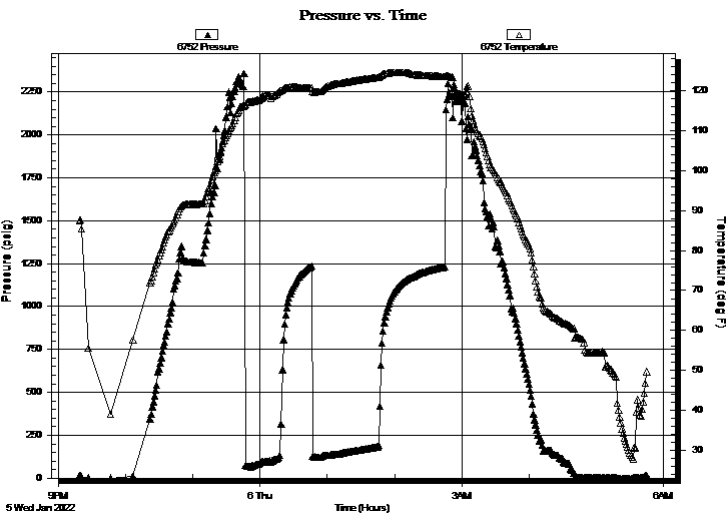
**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
 Job Ticket: 68452 **DST#: 6**  
 Test Start: 2022.01.05 @ 21:19:00

## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:46:17  
 Time Test Ended: 05:45:01  
 Interval: **4315.00 ft (KB) To 4555.00 ft (KB) (TVD)**  
 Total Depth: 4620.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Kevin Webster  
 Unit No: 72  
 Reference Elevations: 2550.00 ft (KB)  
 2442.00 ft (CF)  
 KB to GR/CF: 108.00 ft

**Serial #: 6752** **Outside**  
 Press@RunDepth: psig @ 4372.00 ft (KB) Capacity: psig  
 Start Date: 2022.01.05 End Date: 2022.01.06 Last Calib.: 2022.01.05  
 Start Time: 21:19:01 End Time: 05:45:02 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30 IF- WSB built to bob 22 min  
 30 ISL- No returns  
 30 FF- WSB built to bob in 28 min  
 30 FSI- No returns



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

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	124' GIP	0.00
124.00	15% Gas 85% Oil	1.74
248.00	5% Oil 95% Mud	3.48

\* Recovery from multiple tests

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

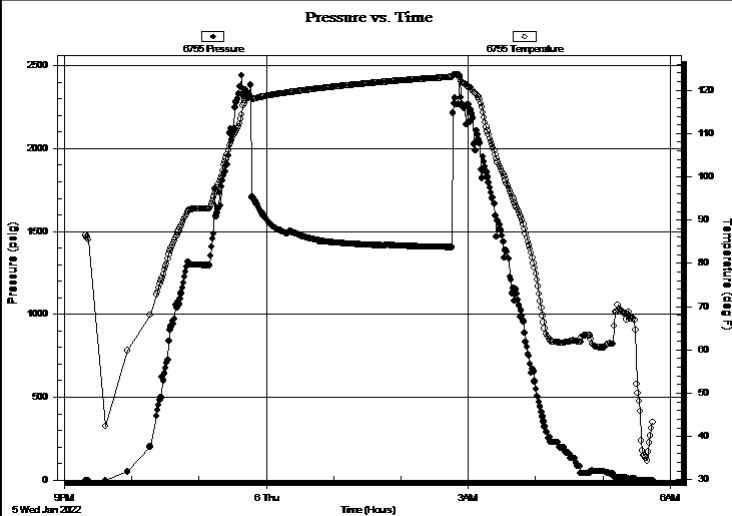
**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 68452 **DST#: 6**  
Test Start: 2022.01.05 @ 21:19:00

## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 23:46:17  
Time Test Ended: 05:45:01  
Interval: **4315.00 ft (KB) To 4555.00 ft (KB) (TVD)**  
Total Depth: 4620.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Fair  
Reference Elevations: 2550.00 ft (KB)  
2442.00 ft (CF)  
KB to GR/CF: 108.00 ft  
Test Type: Conventional Straddle (Reset)  
Tester: Kevin Webster  
Unit No: 72

**Serial #: 6755 Below (Straddle)**  
Press@RunDepth: psig @ 4434.00 ft (KB) Capacity: psig  
Start Date: 2022.01.05 End Date: 2022.01.06 Last Calib.: 2022.01.05  
Start Time: 21:19:01 End Time: 05:45:02 Time On Btm:  
Time Off Btm:

TEST COMMENT: 30 IF- WSB built to bob 22 min  
30 IS- No returns  
30 FF- WSB built to bob in 28 min  
30 FSI- No returns



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	124' GIP	0.00
124.00	15% Gas 85% Oil	1.74
248.00	5% Oil 95% Mud	3.48

## 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  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 68452      **DST#: 6**  
Test Start: 2022.01.05 @ 21:19:00

**Tool Information**

Drill Pipe:	Length: 4308.00 ft	Diameter: 3.80 inches	Volume: 60.43 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 60.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4315.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4367.00 ft			
Interval between Packers:	52.00 ft			
Tool Length:	149.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4293.00	
Hydraulic tool	5.00			4298.00	
Jars	5.00			4303.00	
Safety Joint	3.00			4306.00	
Packer	5.00			4311.00	27.00      Bottom Of Top Packer
Packer	4.00			4315.00	
Stubb	1.00			4316.00	
Change Over Sub	1.00			4317.00	
Drill Pipe	31.00			4348.00	
Change Over Sub	1.00			4349.00	
Perforations	18.00			4367.00	52.00      Tool Interval
Packer	4.00			4371.00	
Stubb	1.00			4372.00	
Recorder	0.00	6752	Outside	4372.00	
Recorder	0.00	8365	Outside	4372.00	
Change Over Sub	1.00			4373.00	
Drill Pipe	60.00			4433.00	
Change Over Sub	1.00			4434.00	
Recorder	0.00	6755	Below	4434.00	
Bullnose	3.00			4437.00	70.00      Bottom Packers & Anchor

**Total Tool Length: 149.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum  
4924SE 84th St  
New ton, KS 67114- 8827  
ATTN: Randy Say

**18-16-24w, Ness,KS**  
**Atlas Shrugged #1**  
Job Ticket: 68452      **DST#: 6**  
Test Start: 2022.01.05 @ 21:19:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	124' GIP	0.000
124.00	15% Gas 85% Oil	1.739
248.00	5%Oil 95% Mud	3.479

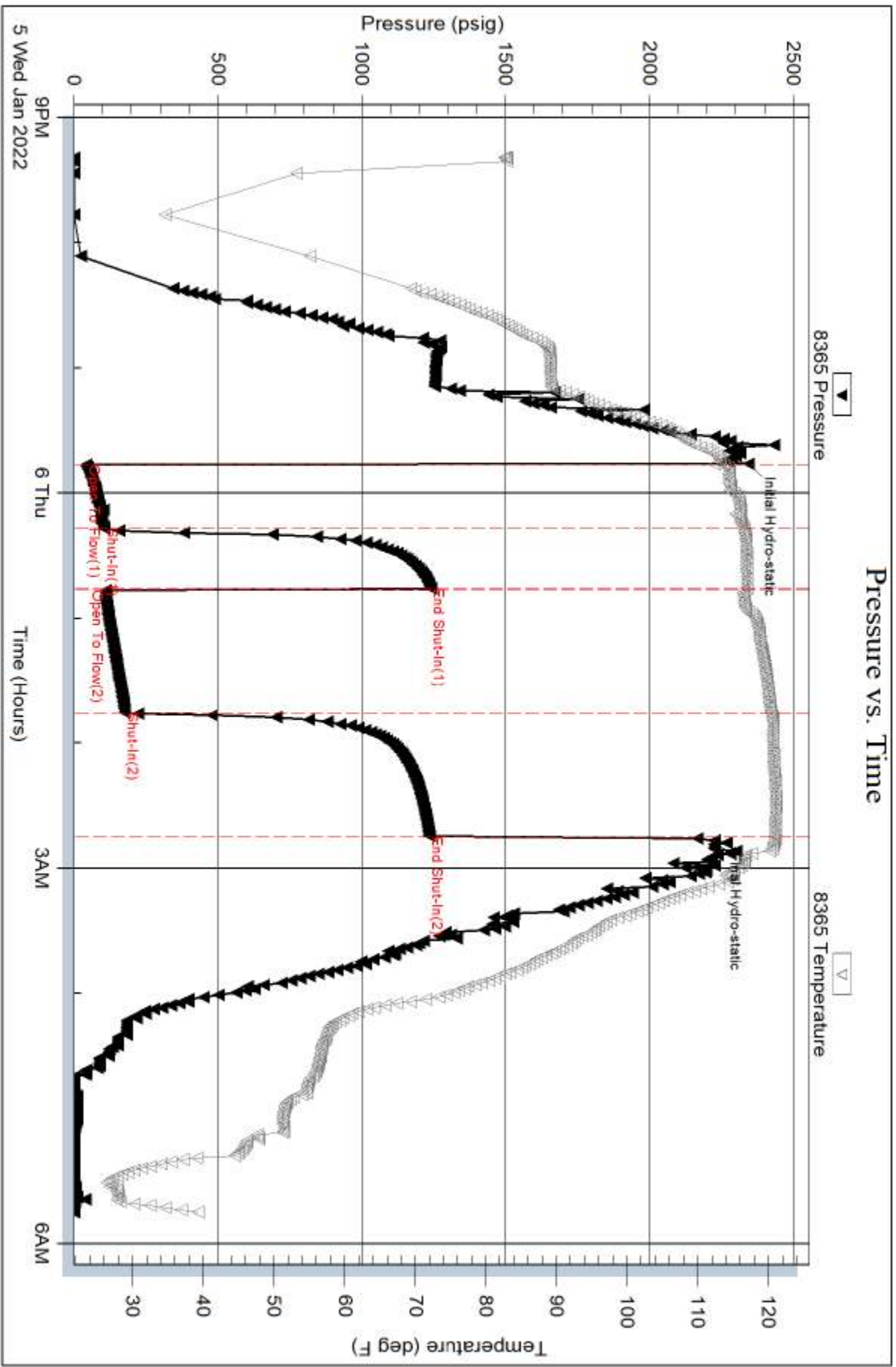
Total Length: 372.00 ft      Total Volume: 5.218 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: 1# LCM

Serial #: 8365

Outside Palomino Petroleum

Atlas Shuffled #1

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 68452

Printed: 2022.01.07 @ 11:48:26

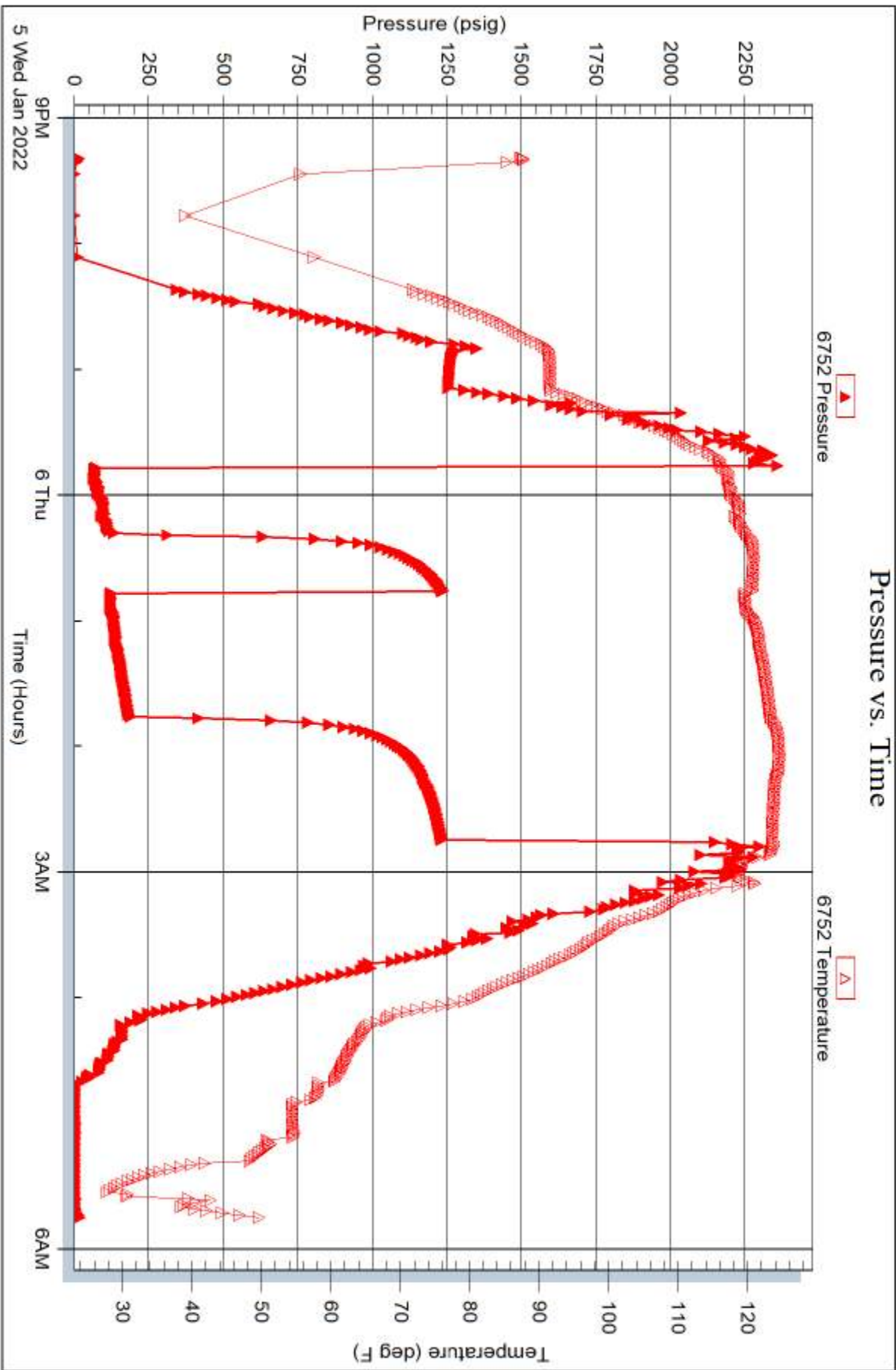
Serial #: 6752

Outside

Palomino Petroleum

Atlas Shrugged #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 68452

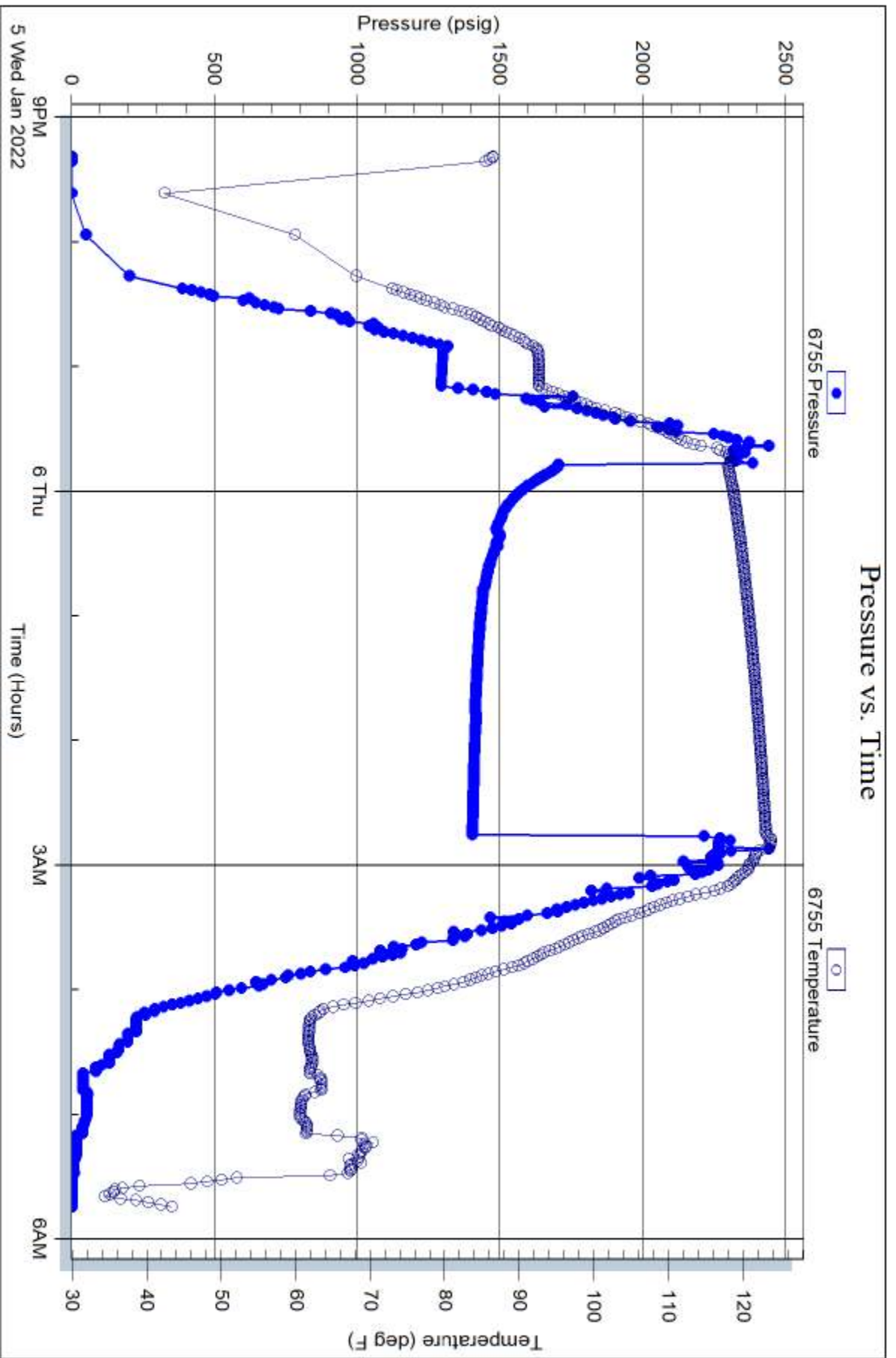
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Serial #: 6755

Below (Str Rattenho Petroleum

Atlas Shrugged #1

DST Test Number: 6





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **67972** 26649

Well Name & No. Atlas Shrug #1 Test No. 1 Date 12/31/21  
 Company Palomino Petroleum Elevation 2550 KB 2542 GL  
 Address 4924 SE 84th St Newton, KS 67114-8827  
 Co. Rep / Geo. Randy Say Rig Duke #2  
 Location: Sec. 18 Twp 16 Rge. 24 W Co. Ness State KS

Interval Tested 4492 - 4492 Zone Tested MISS.  
 Anchor Length 40 Drill Pipe Run 4445 Mud Wt. 9.4  
 Top Packer Depth 4447 Drill Collars Run 0 Vis 52  
 Bottom Packer Depth 4452 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4492 Chlorides 4100 ppm System LCM 1

Blow Description FF-WSB died in 12 min  
EST- NO Returns  
FF- NO blow  
FSE- NO Returns

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</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 Total 5 BHT 111 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2700  Test 1450 T-On Location 06:00  
 (B) First Initial Flow 53  Jars 250 T-Started 13:55  
 (C) First Final Flow 42  Safety Joint 75 T-Open 16:55  
 (D) Initial Shut-In 48  Circ Sub 6.75h 675 T-Pulled 18:55  
 (E) Second Initial Flow 48  Hourly Standby 50 RT T-Out 21:45  
 (F) Second Final Flow 41  Mileage 50 rt 62.50  
 (G) Final Shut-In 42  Sampler  
 (H) Final Hydrostatic 2237  Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Sub Total 0  
 Total 2512.50  
 Sub Total 2512.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Kevin Webster

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# Test Ticket

NO. 67973



## TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Well Name & No. Atlas Slugged #1 Test No. 2 Date 1/1/22  
 Company Palomino Petroleum Elevation 2550 KB 2542 GL  
 Address 4224 SE 84th St Newton, KS 67114-8827  
 Co. Rep / Geo. Randy Gay Rig Duke #2  
 Location: Sec. 18 Twp 16 Rge. 24w Co. Ness State KS

Interval Tested 4452 4528 Zone Tested MISS.  
 Anchor Length 76' Drill Pipe Run 4445 Mud Wt. 9.4  
 Top Packer Depth 4447 Drill Collars Run 0 Vis 52  
 Bottom Packer Depth 4452 Wt. Pipe Run 1 WL 5.99  
 Total Depth 4528 Chlorides 4100 ppm System LCM 1#

Blow Description IF - Wsb built to 2.5"  
2SF - NO RETURNS  
FF - Wsb built to 1"  
FST - NO RETURNS

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>50cm</u>		<u>1</u>		<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 117 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2344  Test 1150 T-On Location 08:30  
 (B) First Initial Flow 136  Jars 250 T-Started 10:40  
 (C) First Final Flow 151  Safety Joint 75 T-Open 13:20  
 (D) Initial Shut-In 1207  Circ Sub \_\_\_\_\_ T-Pulled 15:20 16:20  
 (E) Second Initial Flow 280  Hourly Standby \_\_\_\_\_ T-Out 19:45  
 (F) Second Final Flow 1283  Mileage 50 RT 62.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1316  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2290  Straddle \_\_\_\_\_  
 EM Tool \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30 60  
 Final Shut-In 30 60

Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1537.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Kevin Webster  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67974

Well Name & No. Atlas Shredded #1 Test No. 3 Date 1/3/22  
 Company Palmina Petroleum Elevation 2990 KB 2542 GL  
 Address 4424 SE 84th St Newton, KS 67114-8827  
 Co. Rep / Geo. Randy Say Rig DUK #2  
 Location: Sec. 18 Twp 16 Rge. 24 Co. NE8 State KS

Interval Tested 4463 - 4540 Zone Tested MISS.  
 Anchor Length 77' Drill Pipe Run 4449 Mud Wt. 9.4  
 Top Packer Depth 4463 Drill Collars Run \_\_\_\_\_ Vis 60  
 Bottom Packer Depth 4540 Wt. Pipe Run 9 WL 60  
 Total Depth 4620 Chlorides 4,000 ppm System LCM 1 #

Blow Description IF- MISS RUN  
ESF-  
FF-  
FSF

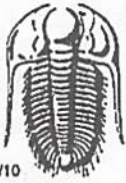
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic \_\_\_\_\_  Test 1050 T-On Location 10:30  
 (B) First Initial Flow \_\_\_\_\_  Jars 250 T-Started 11:53  
 (C) First Final Flow \_\_\_\_\_  Safety Joint 75 T-Open \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled \_\_\_\_\_  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 13:30  
 (F) Second Final Flow \_\_\_\_\_  Mileage 50 RT Comments Hit bridge gain in hole.  
 (G) Final Shut-In \_\_\_\_\_  Sampler 62.50  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle 600  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow \_\_\_\_\_  Day Standby 1d 16h Sub Total 533.33  
 Final Shut-In \_\_\_\_\_  Accessibility \_\_\_\_\_ Total 2570.83  
 Sub Total 2037.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Kevin W. Byston

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67975

Well Name & No. Atlas Shingled #1 Test No. 4 Date 1/31/27  
 Company Palomino Petroleum Elevation 2550 KB 2542 GL  
 Address 4924 SE 84th ST Newton KS 67114-8827  
 Co. Rep / Geo. Randy Say Rig Duck #2  
 Location: Sec. 18 Twp 16 Rge. 24w Co. NESS State KS

Interval Tested 4463-4540 Zone Tested Miss  
 Anchor Length 77' Drill Pipe Run 4449 Mud Wt. 9.4  
 Top Packer Depth 4463 Drill Collars Run 0 Vis 60  
 Bottom Packer Depth 4540 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4620 Chlorides 4,000 ppm System LCM 1 #

Blow Description FF-WSB built to 7"  
ISE- No returns  
FF-WSB built to 4"  
FSE- No returns

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>VSOCM</u>		<u>1</u>		<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 186 BHT 122 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2318  Test 1450 T-On Location 18:30  
 (B) First Initial Flow 68  Jars 250 T-Started 19:27  
 (C) First Final Flow 125  Safety Joint 75 T-Open 20:45  
 (D) Initial Shut-In 1251  Circ Sub \_\_\_\_\_ T-Pulled 1:45  
 (E) Second Initial Flow 112  Hourly Standby \_\_\_\_\_ T-Out 0400  
 (F) Second Final Flow 1179  Mileage 50rt 62.50 Comments Left shale  
 (G) Final Shut-In 1295  Sampler \_\_\_\_\_ Packer in the hole.  
 (H) Final Hydrostatic 2346  Straddle 600  EM Tool \_\_\_\_\_

Initial Open 30  Ruined Shale Packer 365  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Sub Total 2437.50 Sub Total 365  
 Total 2802.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Kevin Webster

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68451

Well Name & No. Atlas Shrugel #1 Test No. 5 Date 1-4-22  
 Company Palomino Petroleum Elevation 2550 KB 2542 GL  
 Address 4924 E 94 St Newton KS 67114-8827  
 Co. Rep / Geo. Randy Gay Rig Duke #2  
 Location: Sec. 18 Twp 16 Rge. 24 W Co. NESS State KS

Interval Tested 4400 - 4441 Zone Tested FT SCOTT  
 Anchor Length 41' Drill Pipe Run 4382 Mud Wt. 9.4  
 Top Packer Depth 4400 Drill Collars Run 0 Vis 60  
 Bottom Packer Depth 4441 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4620 Chlorides 4000 ppm System LCM 1#

Blow Description IF- Wsb built to 4"  
ISI- No returns  
FF- Wsb died in 5 min  
FSI- No returns

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>USA CM</u>		<u>1</u>		<u>99</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 \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2311  Test 1450 T-On Location 10:45  
 (B) First Initial Flow 37  Jars 250 T-Started 11:45  
 (C) First Final Flow 47  Safety Joint 75 T-Open 13:50  
 (D) Initial Shut-In 203  Circ Sub \_\_\_\_\_ T-Pulled 15:20  
 (E) Second Initial Flow 36  Hourly Standby \_\_\_\_\_ T-Out 18:20  
 (F) Second Final Flow 55  Mileage 50 RT 62.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 72  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2144  Straddle 600  EM Tool \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 15  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Sub Total 2437.50 Total 2437.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Kevin Webster

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68452

Well Name & No. Atlas Swapped #1 Test No. 6 Date 1/4/22  
 Company Palomino Elevation 2990 KB 2942 GL  
 Address 4424 SE 84<sup>th</sup> St Newton, KS 67114-9827  
 Co. Rep / Geo. Randy Say Rig Duke #2  
 Location: Sec. 18 Twp 16 Rge. 24W Co. NESS State KI

Interval Tested 4915 - 4955 Zone Tested MISS.  
 Anchor Length 92' Drill Pipe Run 4308 Mud Wt. 9.4  
 Top Packer Depth 4913 Drill Collars Run 0 Vis 60  
 Bottom Packer Depth 4955 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4620 Chlorides 4000 ppm System LCM 1

Blow Description IF - Wsb, built to Bob 22 min  
ESI - NO RETURNS  
EF - Wsb built to Bob 28 min  
F9I - NO RETURNS

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>GIP</u>				
<u>124</u>		<u>15%</u>	<u>85%</u>		
<u>248</u>			<u>5%</u>		<u>95%</u>

Rec Total 372 BHT 121 Gravity 39 API RW @ °F Chlorides ppm  
 (A) Initial Hydrostatic 2345  Test 1450 T-On Location \_\_\_\_\_  
 (B) First Initial Flow 44  Jars 250 T-Started 2:19  
 (C) First Final Flow 106  Safety Joint 75 T-Open 2:48  
 (D) Initial Shut-In 1240  Circ Sub \_\_\_\_\_ T-Pulled 3:18  
 (E) Second Initial Flow 111  Hourly Standby \_\_\_\_\_ T-Out 5:45  
 (F) Second Final Flow 177  Mileage \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In 1234  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2226  Straddle 600  EM Tool \_\_\_\_\_

Initial Open 39  Shale Packer \_\_\_\_\_  
 Initial Shut-In 39  Extra Packer \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_  
 Sub Total 2375  Accessibility \_\_\_\_\_  
 Sub Total 2375  MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative 14

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