

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'BRATE-FINNEY 10-5
Doc ID	1678513

Tops

Name	Top	Datum
Anhydrite	1926	944
Base	1989	881
Heebner	3849	-9779
Lansing	3898	-1028
Bkc	4365	-1495
Marmaton	4390	-1812
Pawnee	4475	1605
Fort Scott	4496	-1626
Cherokee	4510	-1640
Morrow	4682	1812
St. Gen	4740	-1870
RTD	4900	-2030
LTD	4903	-2033

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'BRATE-FINNEY 10-5
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1732	Class A	445	1/4# cellflake
Production	7.875	5.5	15.5	4895	Class A	150	1/4# cellflake

Geological Report

American Warrior, Inc.

O'Brate-Finney #10-5

335' FSL & 335' FWL

Sec. 5, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. O’Brate-Finney #10-5 335’ FSL & 335’ FWL Sec. 5, T23s, R32w Finney County, Kansas API # 15-055-22571-0000
Drilling Contractor:	Duke Drilling Co. Rig #9
Geologist:	Kevin Timson
Spud Date:	November 22, 2022
Completion Date:	December 3, 2022
Elevation	2857’ G.L. 2870’ K.B.
Directions:	From Garden City, KS at the intersection of Hwy 83 and Hwy 400. Go North on Hwy 83 4 miles to 6 Mile Road. Go East one mile on 6 Mile Road to 3 rd Street. Go North one mile on 3 rd Street. East into.
Casing:	1744’ 8 5/8” #24 Surface Casing 4895’ 5 1/2” #15.5 Production Casing
Samples:	3800’ to RTD 10’ Wet & Dry
Drilling Time:	3800’ to RTD
Electric Logs:	Midwest Wireline “T. Martin” Dual Comp Porosity, Dual Induction, Microresistivity
Drillstem Tests:	Two-Trilobite Testing “Brandon Turley”
Problems:	None

Formation Tops
O'Brate-Finney #10-5
Sec. 5, T23s, R32w
335' FSL & 335' FWL

Anhydrite	1926' +944
Base	1989' +881
Heebner	3849' -979
Lansing	3898' -1028
Bkc	4365' -1495
Marmaton	4390' -1520
Pawnee	4475' -1605
Fort Scott	4496' -1626
Cherokee	4510' -1640
Morrow	4682' -1812
St. Gen	4740' -1870
RTD	4900' -2030
LTD	4903' -2033

Sample Zone Descriptions

Morrow (4705',-1835): Covered in DST #1
Sandstone clear. Slightly glauconitic. Well rounded. Well sorted. Medium to coarse grain. Good stain. Good saturation. Good SFO when broken. Fair odor. Good full flush cut florescence.

St. Louis (4755',-1885): Covered in DST #2
Limestone off white. Sub crystalline. Fair oomoldic porosity and good oolitic porosity. Good stain. Fair to good saturation. SFO when broken. Fair odor. Fair full flush cut florescence.

Drill Stem Tests
Trilobite Testing
“Brandon Turley”

DST #1

Morrow

Interval (4670' – 4732') Anchor 62'

IHP - 2334 #

IFP - 30" – BOB in 10 min 51-122 #

ISI - 45" – BOB in 15 min 617 #

FFP - 45" – BOB in 3 min 136-203 #

FSIP - 60" – BOB in 9 min 613 #

FHP - 2336 #

BHT - 117° F

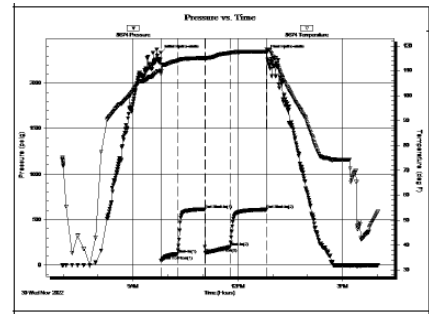
Recovery: 4076' GIP

146' GO (50% Oil) Gravity: 30

126' MCGO (40% Oil)

126' GOCM (20% Oil)

126' GOCM (10% Oil)



DST #2

St. Louis

Interval (4747' – 4793') Anchor 46'

IHP - 2428 #

IFP - 30" – BOB 1 min GTS 13" 83-155 #

ISI - 45" – BOB in 20 min 466 #

FFP - 45" – BOB in 1 min 152-227 #

FSIP - 60" – BOB in 8 min 457 #

FHP - 2332 #

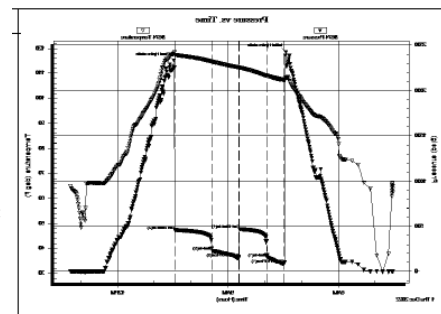
BHT - 117° F

Recovery: GTS gauged 10 MCF maximum

441' GO (80% Oil) Gravity: 30

189' MCGO (50% Oil)

189' GOCM (10% Oil)



Structural Comparison

Formation	American Warrior, Inc O'Brate-Finney #10-5 Sec 5, T23s, R32w 335' FSL & 335' FWL		American Warrior, Inc. O'Brate-Finney #7-5 Sec 5, T23s, R32w 952' FSL & 744' FWL		American Warrior, Inc. O'Brate-Finney #3-5 Sec 5, T23s, R32w 2178' FSL & 2165' FWL
Heebner	3849' -979	-8	3835' -971	+14	3852' -993
Lansing	3898' -1028	-9	3883' -1019	+16	3903' -1044
BKc	4365' -1495	-8	4351' -1487	+28	4382' -1523
Marmaton	4390' -1520	-6	4378' -1514	+31	4410' -1551
Fort Scott	4496' -1626	-13	4477' -1613	+26	4511' -1652
Cherokee	4510' -1640	-9	4495' -1631	+31	4530' -1671
Morrow	4682' -1812	-13	4663' -1799	+26	4697' -1838
St. Gen	4740' -1870	-48	4686' -1822	+43	4772' -1913

Summary

The location for the O'Brate-Finney #10-5 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, both of which recovered commercial amounts of oil from the Morrow Sandstone and St. Louis Limestone formations. After all the gathered data had been examined, the decision was made to run 5 1/2" casing to further evaluate the O'Brate-Finney #10-5 well.

Recommended Perforations

Primary:	St. Louis	(4756' to 4768')	
	Morrow	(4705' to 4717')	
Before Abandonment:	Pawnee	(4476' to 4480')	Likely WET
	Marmaton	(4439' to 4443')	Likely WET

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

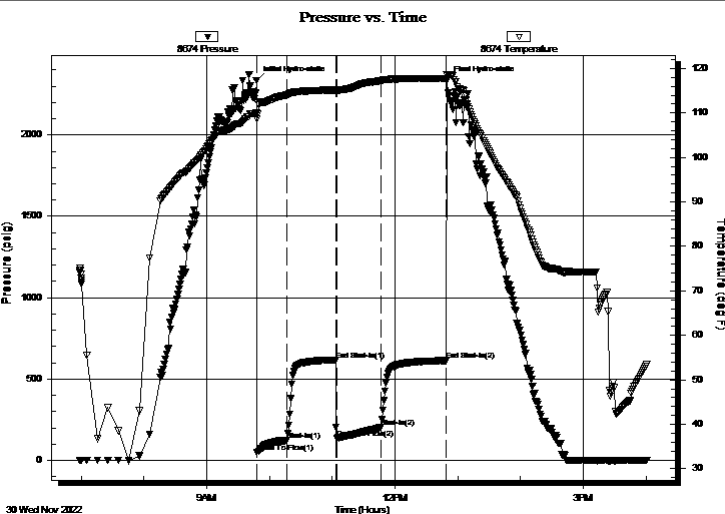
5-23s-32w Finney, Ks
O Brate-Finney 10-5
Job Ticket: 69246 **DST#: 1**
Test Start: 2022.11.30 @ 06:58:28

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:47:58
Time Test Ended: 16:00:28
Interval: **4670.00 ft (KB) To 4732.00 ft (KB) (TVD)**
Total Depth: 4732.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2870.00 ft (KB)
2860.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 203.44 psig @ 4671.00 ft (KB)
Start Date: 2022.11.30 End Date: 2022.11.30
Start Time: 06:58:33 End Time: 16:00:28
Capacity: 8000.00 psig
Last Calib.: 2022.11.30
Time On Btm: 2022.11.30 @ 09:47:28
Time Off Btm: 2022.11.30 @ 12:49:28

TEST COMMENT: IF: BOB in 10 mins. 58
IS: BOB in 15 mins. 17
FF: BOB in 3 mins. 157
FS: BOB in 9 mins. 83 30-45-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.77	109.94	Initial Hydro-static
1	51.51	108.63	Open To Flow (1)
29	122.49	114.03	Shut-In(1)
76	617.64	115.15	End Shut-In(1)
77	136.95	115.01	Open To Flow (2)
119	203.44	117.24	Shut-In(2)
181	613.54	117.77	End Shut-In(2)
182	2336.67	118.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	gocm 30%g 20%o 50%m	0.62
126.00	gocm 30%g 10%o 60%m	1.28
126.00	mco 50%g 40%o 10%m	1.77
146.00	go 50%g 50%o	2.05
0.00	4076 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

5-23s-32w Finney, Ks

O Brate-Finney 10-5

Job Ticket: 69246 **DST#: 1**

Test Start: 2022.11.30 @ 06:58:28

Formation:	Morrow			
Deviated:	No	Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened:	09:47:58			Tester: Brandon Turley
Time Test Ended:	16:00:28			Unit No: 79
Interval:	4670.00 ft (KB) To 4732.00 ft (KB) (TVD)			Reference Elevations: 2870.00 ft (KB)
Total Depth:	4732.00 ft (KB) (TVD)			2860.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good	KB to GR/CF: 10.00 ft

TEST COMMENT: IF: BOB in 10 mins. 58
IS: BOB in 15 mins. 17
FF: BOB in 3 mins. 157
FS: BOB in 9 mins. 83 30-45-45-60



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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

5-23s-32w Finney, Ks
O Brate-Finney 10-5
Job Ticket: 69246 **DST#: 1**
Test Start: 2022.11.30 @ 06:58:28

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 6.80 in³
Resistivity: 0.00 ohm.m
Salinity: 3100.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 30 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	gocm 30%g 20%o 50%m	0.620
126.00	gocm 30%g 10%o 60%m	1.285
126.00	mcgo 50%g 40%o 10%m	1.767
146.00	go 50%g 50%o	2.048
0.00	4076 GIP	0.000

Total Length: 524.00 ft Total Volume: 5.720 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 29@50=30

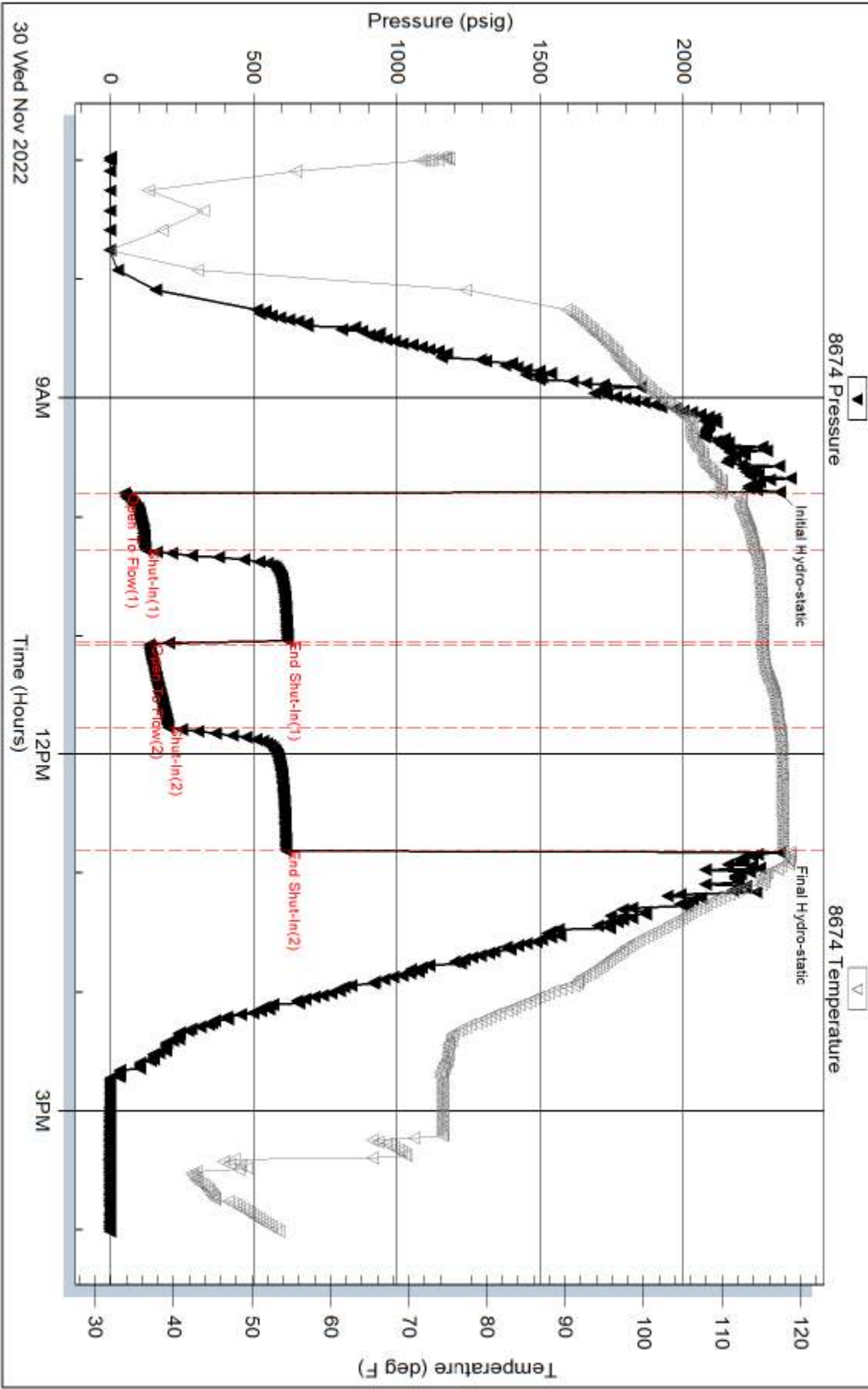
Serial #: 8674

Outside American Warrior Inc

O Brate-Finney 10-5

DST Test Number: 1

Pressure vs. Time



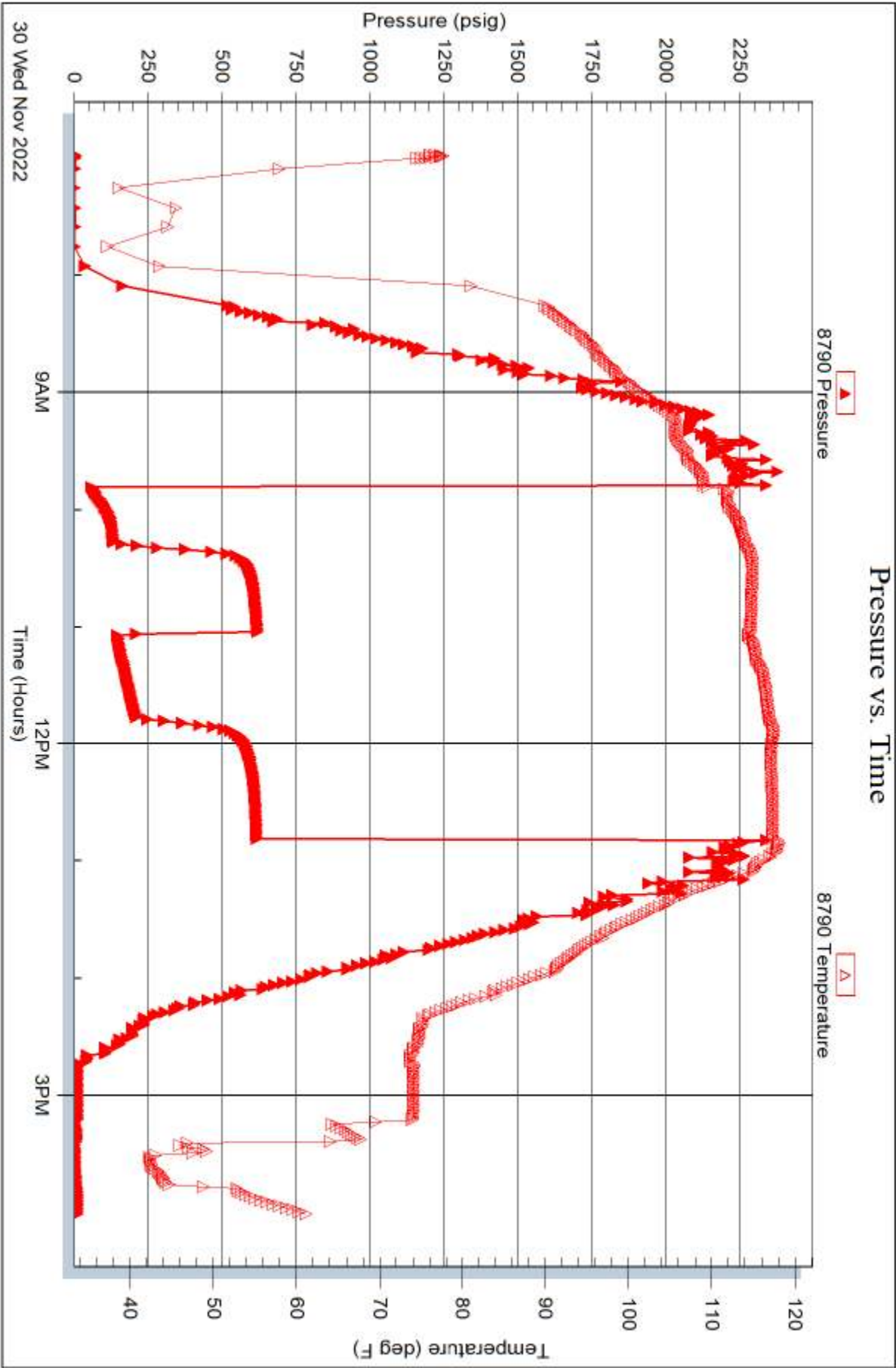
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Inside

American Warrior Inc

O Brate-Finney 10-5

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

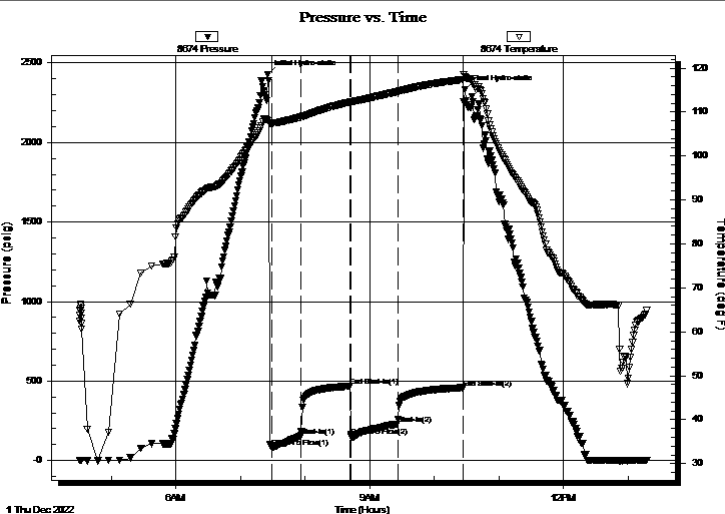
5-23s-32w Finney, Ks
O Brate-Finney 10-5
Job Ticket: 69247 **DST#: 2**
Test Start: 2022.12.01 @ 04:30:27

GENERAL INFORMATION:

Formation: **St Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:28:57
Time Test Ended: 13:17:57
Interval: **4747.00 ft (KB) To 4793.00 ft (KB) (TVD)**
Total Depth: 4793.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2870.00 ft (KB)
2860.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8674 Outside
Press@RunDepth: 227.95 psig @ 4748.00 ft (KB)
Start Date: 2022.12.01 End Date: 2022.12.01
Start Time: 04:30:32 End Time: 13:17:57
Capacity: 8000.00 psig
Last Calib.: 2022.12.01
Time On Btm: 2022.12.01 @ 07:25:27
Time Off Btm: 2022.12.01 @ 10:28:27

TEST COMMENT: IF: BOB in 1 min. Gas to surface in 13 mins.
IS: BOB in 20 mins. 39"
FF: BOB in 1 min.
FS: BOB in 8 mins. 88" 30-45-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2428.15	108.09	Initial Hydro-static
4	83.64	107.50	Open To Flow (1)
31	155.17	108.87	Shut-In(1)
76	466.91	112.26	End Shut-In(1)
78	152.76	112.29	Open To Flow (2)
121	227.95	114.66	Shut-In(2)
182	457.92	117.37	End Shut-In(2)
183	2332.24	117.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	gocm 30%g 10%o 60%m	1.02
189.00	mogo 30%g 50%o 20%m	2.65
441.00	go 20%g 80%o	6.19

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.00	9.51
Last Gas Rate	0.13	8.60	8.14
Max. Gas Rate	0.13	14.58	10.26

* Recovery from multiple tests



American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

5-23s-32w Finney, Ks

O Brate-Finney 10-5

Job Ticket: 69247 **DST#: 2**

Test Start: 2022.12.01 @ 04:30:27

Formation:	St Louis			
Deviated:	No	Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	07:28:57			Tester: Brandon Turley
Time Test Ended:	13:17:57			Unit No: 79
Interval:	4747.00 ft (KB) To 4793.00 ft (KB) (TVD)			Reference Elevations: 2870.00 ft (KB)
Total Depth:	4793.00 ft (KB) (TVD)			2860.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good	KB to GR/CF: 10.00 ft

TEST COMMENT: IF: BOB in 1 min. Gas to surface in 13 mins.
IS: BOB in 20 mins. 39"
FF: BOB in 1 min.
FS: BOB in 8 mins. 88" 30-45-45-60



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

Gas Rates

Length (ft)	Description	Volume (bbl)
189.00	gocm 30%g 10%o 60%m	1.02
189.00	mcgo 30%g 50%o 20%m	2.65
441.00	go 20%g 80%o	6.19

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.00	9.51
Last Gas Rate	0.13	8.60	8.14
Max. Gas Rate	0.13	14.58	10.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
P.O. Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

5-23s-32w Finney, Ks
O Brate-Finney 10-5
Job Ticket: 69247 **DST#: 2**
Test Start: 2022.12.01 @ 04:30:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.39 in³
Resistivity: 0.00 ohm.m
Salinity: 2200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 30 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	gocm 30%g 10%o 60%m	1.021
189.00	mcgo 30%g 50%o 20%m	2.651
441.00	go 20%g 80%o	6.186

Total Length: 819.00 ft Total Volume: 9.858 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 30@60=30



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc

5-23s-32w Finney, Ks

P.O. Box 399
Garden City, Ks 67846

O Brate-Finney 10-5

Job Ticket: 69247

DST#: 2

ATTN: Kevin Timson

Test Start: 2022.12.01 @ 04:30:27

Gas Rates Information

Temperature: 120 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.13	11.00	9.51
1	20	0.13	11.00	8.99
1	20	0.13	11.00	8.99
1	30	0.13	14.58	10.26
2	10	0.13	10.80	8.92
2	30	0.13	8.60	8.14

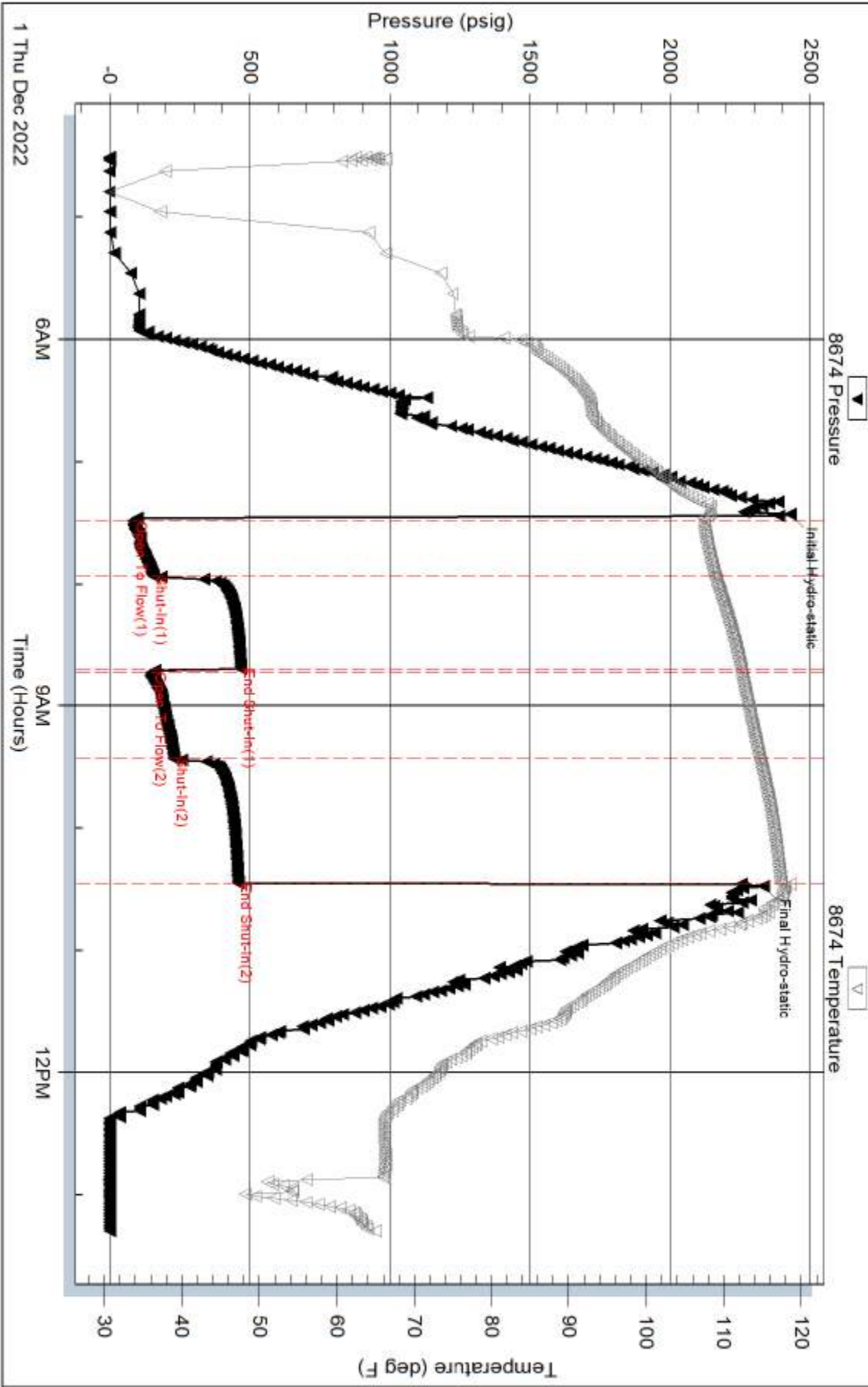
Serial #: 8674

Outside American Warrior Inc

O Brate-Finney 10-5

DST Test Number: 2

Pressure vs. Time



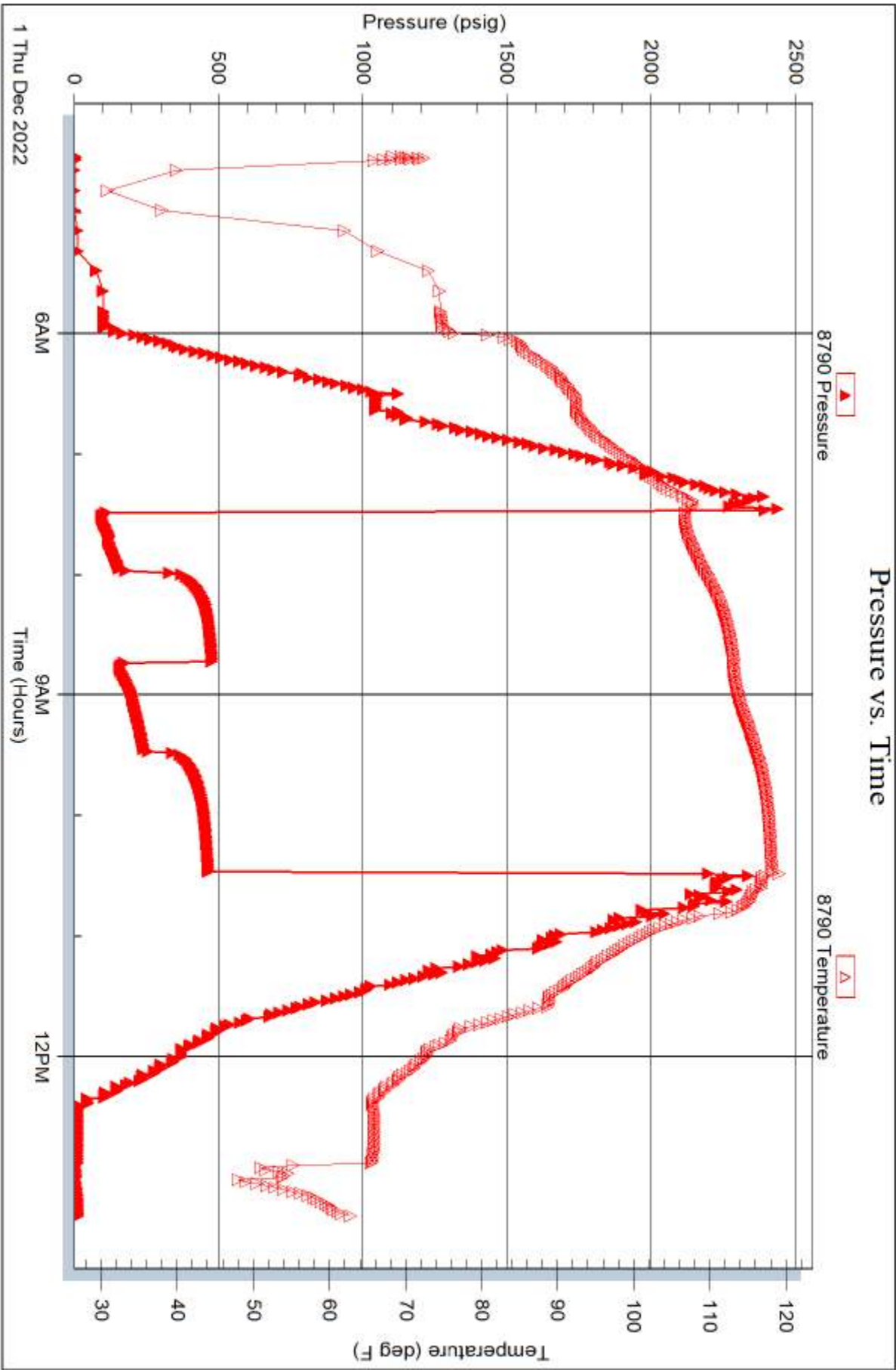
Serial #: 8790

Inside

American Warrior Inc

O Brate-Finney 10-5

DST Test Number: 2



Quasar Energy Services, Inc.
3288 FM 51
Gainesville, TX 76240

Invoice

Date	Invoice #
12/12/2022	149392

Bill To
American Warrior P.O. Box 399 Garden City, KS 67846

As of 09/22/2015 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect the full price.

			Well
			Obrate Finney 10-5
Description	Quantity	Rate	Amount
Pickup Mileage	75	5.31	398.25
Equipment Mileage	150	8.30	1,245.00
Pump Charge	1	4,630.50	4,630.50
Plug Container	1	330.75	330.75
Float Shoe-Blue 5 1/2	1	396.90	396.90
Latch down plug & baffle	1	859.95	859.95
Centralizers	10	66.15	661.50
Class A Cement	200	19.54	3,908.00
C-17	71	11.76	834.96
Defoamer	2	46.31	92.62
Tactical Blitz	300	2.50	750.00
Gel	282	0.34	95.88
Mud flush	4,720	1.32	6,230.40
Salt	900	0.50	450.00
C-51	14	11.38	159.32
Subtotal			21,044.03
Discount - 10%		-10.00%	-2,104.40
Total			\$18,939.63
Payments/Credits			\$0.00
Balance Due			\$18,939.63

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.

**QUASAR ENERGY SERVICES, INC.**

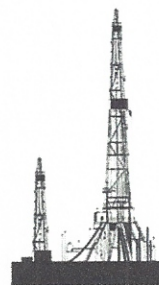
3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

FRACTURING | ACID | CEMENT | NITROGEN



BID #: 6546

AFE#/PO#: 0

TYPE / PURPOSE OF JOB: LONG STRING

SERVICE POINT: Liberal, KS

CUSTOMER: AMERICAN WARRIOR

WELL NAME: OBRATE FINNEY 10-5

ADDRESS: PO BOX 399

LOCATION: GARDEN CITY, KS

CITY: GARDEN CITY

STATE: KS

ZIP: 67846

COUNTY: FINNEY

STATE: KS

DATE OF SALE: 12/2/2022

Perforations: to

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
75	1000	L	Mile	Mileage - Pickup - Per Mile	\$5.31	\$ 398.25
150	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$8.30	\$ 1,245.00
1	5624	L	Per Well	Pumping Service Charge -3	\$4,630.50	\$ 4,630.50
1	6030	L	Per Well	Plug Container	\$330.75	\$ 330.75
1	4300	L	Each	Auto Fill Shoe (Blue) 5 1/2"	\$396.90	\$ 396.90
1	4370	L	Each	Latch Down Plug & Baffle 5 1/2"	\$859.95	\$ 859.95
10	4450	L	Each	Centralizers 5 1/2"	\$66.15	\$ 661.50

Subtotal for Pumping & Equipment Charges	\$ 8,522.85
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QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
200	5635	L	Per Sack	Cement - Class A (LB)	\$19.54	\$ 3,908.00
71	5693	L	Per Lb.	C-17 Fluid Loss	\$11.76	\$ 834.96
2	5751	L	Per Gal.	C-41L Defoamer Liquid	\$46.31	\$ 92.62
300	5803	L	Per Lbs.	Tactical Blitz	\$2.50	\$ 750.00
282	5840	L	Per Lb.	Gel (Bentinite)	\$0.34	\$ 95.88
4,720	5870	L	Per Gal.	Mud Flush	\$1.32	\$ 6,230.40
900	5890	L	Per Lb.	Salt	\$0.50	\$ 450.00
14	5950	L	Per Lb.	C-51 FWCA	\$11.38	\$ 159.32

Subtotal for Material Charges	\$ 12,521.18
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MANHOURS: 15

WORKERS: 3

WORKERS

KIRBY HARPER

CARLOS IBARRA

JOSE MARTINEZ

DISCOUNT: 10%

10%

DISCOUNT

DISCOUNTED TOTAL

CUSTOMER SIGNATURE & DATE

Signature: Osbaldo

Date: 12-5-22

Print Name: _____

Osbal do

*All accounts are past due net 30 days following the date of invoice. A finance charge of 1-1/2% per month or 18% annual percentage rate will be charged on all past due accounts.

QUASAR ENERGY SERVICES, INC.

3288 FM 51

Form 185-2J

Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

12/2/22

CEMENTING JOB LOG

CEMENTING JOB LOG

[illegible]

12/03/2022

