

KCC WICHITA

JUN 20 2014

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TREATMENT REPORT



Customer S. W. Oil & Gas	Lease No.	Date 5-14-10
Lease TRIPLE H FARMS	Well # 24-2	
Field Order # 00797	Station 1717	Casing 8 5/8
Type Job Z 42 8 5/8 Surface	Formation	Depth 1213
		County FORD
		State KS
		Legal Description 24-29-25

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 295 SKS A CON	3800 RATE	PRESS 11.4 #/gal	ISIP
Depth 1213	Depth	From	To	Perf Pad 2.96 # SK	Max 118.10 gal/SK		5 Min. 11.4 #/gal
Volume 74.5 bbl	Volume	From	To	Perf 150 SKS Prem. Plus	Min 2800 - 4 # completions		10 Min.
Max Press	Max Press	From	To	Free 1.34 #/SK	Aug 16.33 gal/SK		15 Min. 14.8 #/gal
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 1170	Packer Depth	From	To	Flush FRESH WATER	Gas Volume		Total Load

Customer Representative: _____ Station Manager: **JERRY BENNETT** Treater: **Carlos Lopez**

Service Units	19816	27462	14354	19578	19805	19808				
Driver Names	C. Lopez	Abel O	Michael S.		Victor V.	Ruben C				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30 pm					Arrived on Location
4:45 pm					Rigged up Equipt.
6:00 pm					Running Casing 1213' csg 8 5/8" 24 #
7:30 am					Hold safety MEETING
7:50 am					Test Lines to 2000psi
7:51 pm	75psi		10	3 bpm	H ₂ O Spacer
7:55 pm	200psi		155.5 bbl	4.5 bpm	Pumped Lead CNT @ 11.4 #/gal
8:45 am	100psi		35.8 bbl	3 bpm	Pumped Tail CNT @ 14.8 #
9:07 am	100psi		74.4 bbl	5 bpm	Dropped Plug & began Disp
9:26 am	300psi		64.4	2 bpm	Shoved down to 2 bpm last 10 bbls
9:30 am	350psi		74.4	2 bpm	Loaded Top Plug & took press. 500 over
9:40 pm					Rigged Down Equipment & filled tickets
10:00 am					Blew truck off & had Post Job Journey Man.
10:30 pm					DEPARTED FROM LOCATION

ALLIED CEMENTING CO., LLC. 038857

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley, KS

DATE <u>5/24/10</u>	SEG <u>24</u>	TWP. <u>29</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION <u>12:15 PM</u>	JOB START <u>5:30 AM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Double H Farms</u>	WELL # <u>24-2</u>	LOCATION <u>Minriola N 4 1/2 1/4 E</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Darke 9
 TYPE OF JOB ATA
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 8 7/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Samuel

CEMENT
 AMOUNT ORDERED 210 SKS 60/40 40/20
104 110 80 Seal

COMMON <u>125</u>	@ <u>15.45</u>	<u>1931.25</u>
POZMIX <u>85</u>	@ <u>8.00</u>	<u>680.00</u>
GEL <u>7</u>	@ <u>20.00</u>	<u>140.00</u>
CHLORIDE	@	
ASC	@	
<u>80 Seal 53/10</u>	@ <u>2.50</u>	<u>1325.00</u>

EQUIPMENT

PUMP TRUCK # <u>402</u>	CEMENTER <u>Alan</u>
BULK TRUCK # <u>364</u>	DRIVER <u>Matt - M.L.</u>
BULK TRUCK #	DRIVER
	HELPER <u>Wayne</u>

HANDLING <u>215 SK</u>	@ <u>2.90</u>	<u>623.50</u>
MILEAGE <u>179 SK/mile</u>		<u>2737.00</u>
TOTAL		<u>6152.75</u>

REMARKS:

<u>1560'</u>	<u>50 SK</u>
<u>1230'</u>	<u>50 SK</u>
<u>550'</u>	<u>40 SK</u>
<u>60'</u>	<u>20 SK</u>

Ret Hole 30 SK
Manual Hole 20 SK

Thank to Alan, Wayne, Matt

SERVICE

DEPTH OF JOB	<u>1560'</u>	
PUMP TRUCK CHARGE	<u>1018.00</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>125</u>	@ <u>7.00</u> <u>875.00</u>	
MANIFOLD	@	
TOTAL		<u>1893.00</u>

CHARGE TO: S & W Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

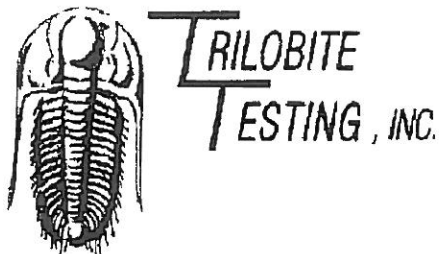
PRINTED NAME Emigdio Rojas
 SIGNATURE Emigdio Rojas

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		_____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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 JUN 20 2010
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DRILL STEM TEST REPORT

Prepared For: **S&W Oil&Gas LLC.**

3540 W Douglas Suite #3 Wichita Ks. 67203

ATTN: Mike Engelbrecht

#2

24/29/25

Double H Farms 24-2

Start Date: 2010.05.21 @ 00:00:00

End Date:

Job Ticket #: 37632

DST #: 2

S&W Oil&Gas LLC.

Double H Farms 24-2

24/29/25

DST # 2

Marmaton

2010.05.21

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

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1

Weatherford® Completion Systems		DRILL STEM TEST REPORT																																					
S&W Oil & Gas LLC 3540 W. Douglas, Ste 3 Wichita Ks. 67203 ATTN: Mike Engelbrecht		Double H Farms#24-2 24-29s-25w Ford Ks. Job Ticket: 36885 DST#: 1 Test Start: 2010 05.19 @ 17:28:33																																					
GENERAL INFORMATION																																							
Formation: Lans. K	Deviated: No Whipstock: ft (KB)		Test Type: Conventional Bottom Hole																																				
Time Tool Opened: 20 04:48	Time Test Ended: 02 17:48		Tester: Gary Pavoiteaux																																				
Interval: 4920.00 ft (KB) To 4955.00 ft (KB) (TVD)	Total Depth: 4955.00 ft (KB) (TVD)		Unit No: 39																																				
Hole Diameter: 7.88 inches	Hole Condition: Poor	Reference Elevations: 2621.00 ft (KB) 2609.00 ft (CF)	KB to GR/CF: 12.00 ft																																				
Serial #: 8167 Inside																																							
Press @ Run Depth: 726.67 psig @ 4921.00 ft (KB)	Capacity: 8000.00 psig	Last Calib: 2010 05.20																																					
Start Date: 2010.05.19	End Date: 02 17:48	Time On Btmr: 2010 05.19 @ 20:00:48																																					
Start Time: 17:28:33	End Time: 02 17:48	Time Off Btmr: 2010.05.19 @ 23:09:03																																					
TEST COMMENT: IF Strong blow. B.O.B. in 5 mins. IS: No blow FF Strong blow. B.O.B. in 5 mins. FS: No blow																																							
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Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)																																					

Suggest Bit trip PDC bit near 4200'. Strap pipe!
Follow Mud program **Displace@ near 2900

Wellsite Geologist: Mike Engelbrecht-Wichita
Home (316) 721-9226 Cell (316) 641-8008

MBC Gas Detector on location @ 4000' Austin cell 620-655-2016.

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DST Test Number: 2

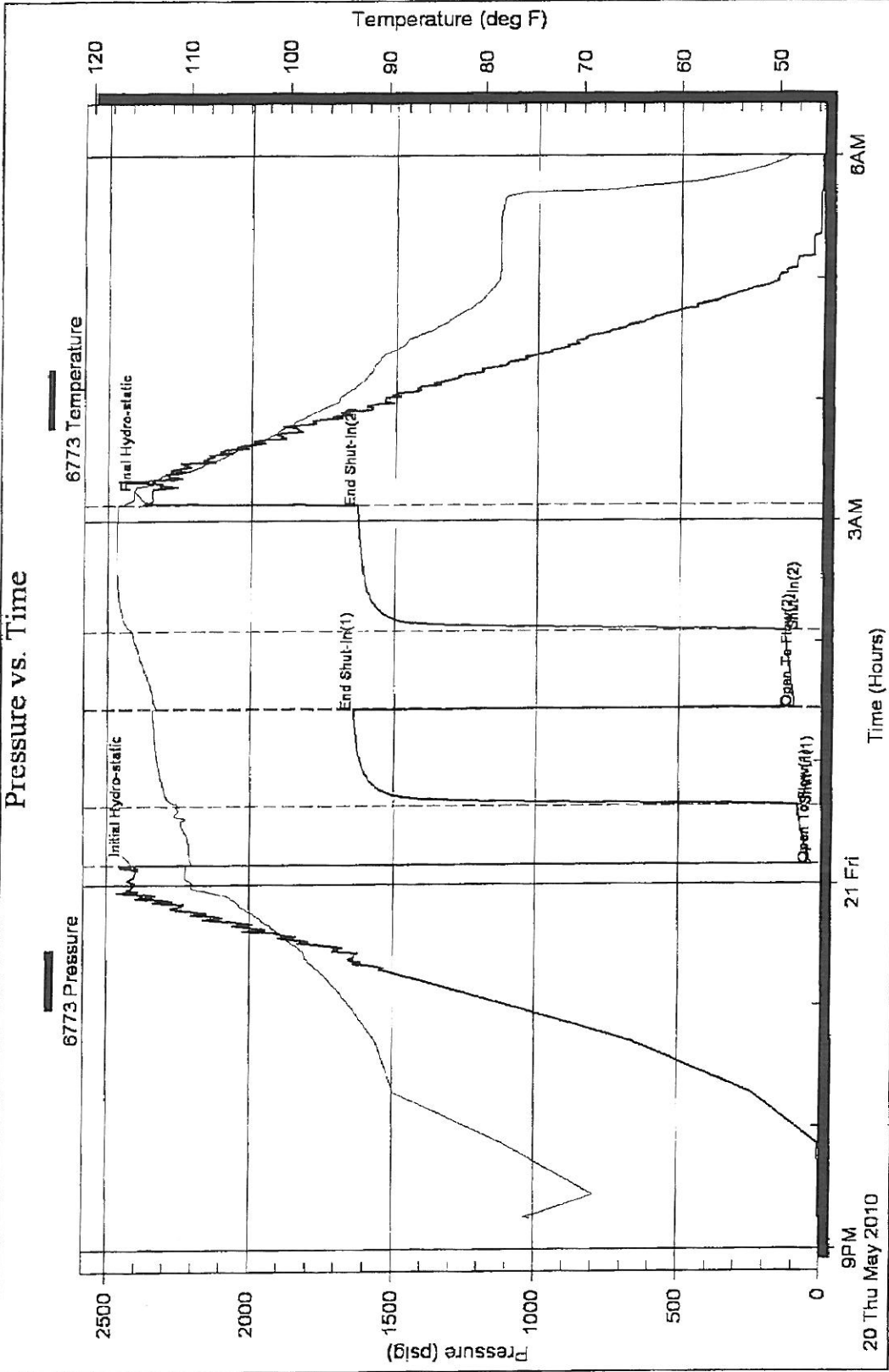
24/29/25

S&W Oil&Gas LLC.

Inside

Serial # 6773

Pressure vs. Time



KCC WICHITA

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Ref. No: 37632

Triobite Testing, Inc



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

S&W Oil&Gas LLC.
3540 W Douglas Suite #3 Wichita Ks. 67203
ATTN: Mike Engelbrecht

Double H Farms 24-2
24/29/25
Job Ticket: 37632 **DST#: 2**
Test Start: 2010.05.21 @ 00:00:00

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	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
240.00	5% mud 95 % water	2.283

Total Length: 240.00 ft Total Volume: 2.283 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

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DRILL STEM TEST REPORT

S&W Oil&Gas LLC.
 3540 W Douglas Suite #3 Wichita Ks. 67203
 ATTN: Mike Engelbrecht

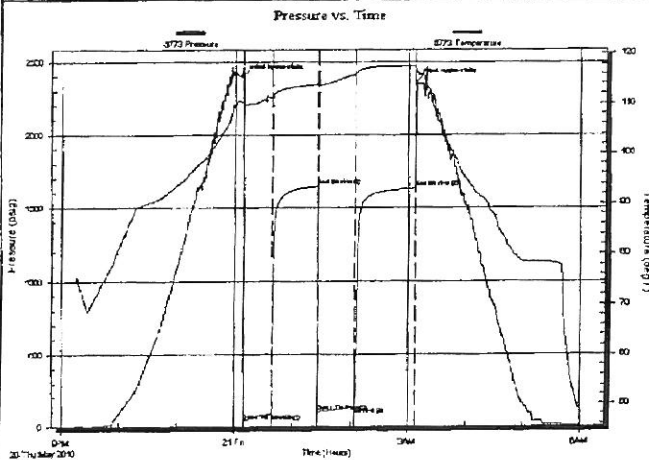
Double H Farms 24-2
24/29/25
 Job Ticket: 37632 **DST#: 2**
 Test Start: 2010.05.21 @ 00:00:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened:
 Tester: Harley Davidson
 Time Test Ended:
 Unit No: 33
 Interval: **5119.00 ft (KB) To 5148.00 ft (KB) (TVD)**
 Reference Elevations: 2621.00 ft (KB)
 Total Depth: 5148.00 ft (KB) (TVD)
 2609.00 ft (CF)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 KB to GR/CF: 12.00 ft

Serial #: 6773 Inside
 Press@RunDepth: 1630.64 psig @ 5121.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.05.20 End Date: 2010.05.21 Last Calib.: 2010.05.21
 Start Time: 21:15:00 End Time: 05:59:19 Time On Btm: 2010.05.21 @ 00:07:30
 Time Off Btm: 2010.05.21 @ 03:08:20

TEST COMMENT: IF- Weak building blow 3" in bucket.
 IS- No blow back.
 FF- Weak building blow 2" in bucket.
 FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2397.23	110.28	Initial Hydro-static
2	32.84	109.60	Open To Flow (1)
31	81.98	110.80	Shut-in(1)
79	1642.00	113.79	End Shut-in(1)
80	97.16	113.33	Open To Flow (2)
118	132.69	115.89	Shut-in(2)
180	1630.64	117.39	End Shut-in(2)
181	2366.12	116.75	Final Hydro-static

Recovery

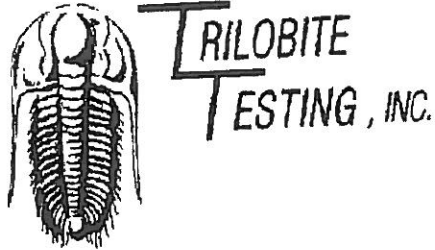
Length (ft)	Description	Volume (bbl)
240.00	5% mud 95 % water	2.28

Gas Rates

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

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JUN 20 2014
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#3



DRILL STEM TEST REPORT

Prepared For: **S&W Oil&Gas LLC.**

3540 W Douglas Suite #3 Wichita Ks. 67203

ATTN: Mike Engelbrecht

24/29/25

Double H Farms 24-2

Start Date: 2010.05.22 @ 03:15:00

End Date: 2010.05.22 @ 12:04:00

Job Ticket #: 37633 DST #: 3

TriLOBITE Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

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S&W Oil&Gas LLC.

Double H Farms 24-2

24/29/25

DST # 3

Morrow

2010.05.22



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

S&W Oil&Gas LLC.
 3540 W Douglas Suite #3 Wichita Ks. 67203
 ATTN: Mike Engelbrecht

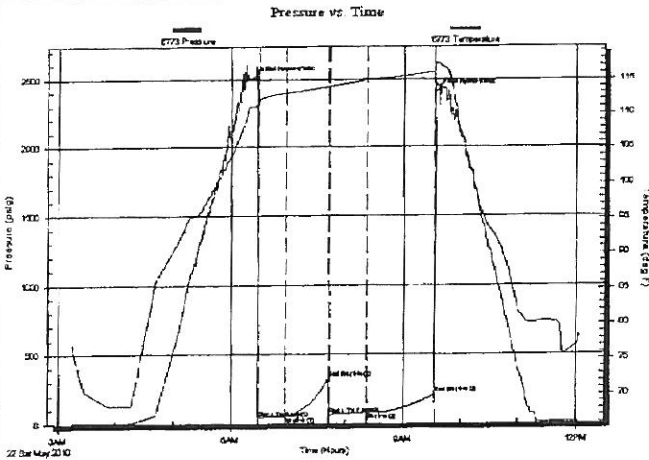
Double H Farms 24-2
24/29/25
 Job Ticket: 37633 **DST#: 3**
 Test Start: 2010.05.22 @ 03:15:00

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:29:10
 Time Test Ended: 12:04:00
 Interval: **5298.00 ft (KB) To 5363.00 ft (KB) (TVD)**
 Total Depth: **5363.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Harley Davidson
 Unit No: 33
 Reference Elevations: 2621.00 ft (KB)
 2609.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6773 Inside
 Press@RunDepth: 75.36 psig @ 5333.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.05.22 End Date: 2010.05.22 Last Calib.: 2010.05.22
 Start Time: 03:15:00 End Time: 12:04:00 Time On Btm: 2010.05.22 @ 06:22:30
 Time Off Btm: 2010.05.22 @ 09:33:20

TEST COMMENT: IF- Weak building blow 7" in bucket
 IS- No blow back.
 FF- Weak building blow 1" in bucket
 FS- No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2507.11	111.03	Initial Hydro-static
7	39.06	111.36	Open To Flow (1)
35	52.33	112.94	Shut-in(1)
80	326.82	113.85	End Shut-in(1)
81	63.23	113.81	Open To Flow (2)
120	75.36	114.84	Shut-in(2)
191	210.17	116.06	End Shut-in(2)
191	2402.93	116.74	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	300 GIP	0.00
120.00	SWOCM 100% mud.	0.60

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

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TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

S&W Oil&Gas LLC.

Double H Farms 24-2

3540 W Douglas Suite #3 Wichita Ks. 67203

24/29/25

Job Ticket: 37633

DST#: 3

ATTN: Mike Engelbrecht

Test Start: 2010.05.22 @ 03:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.00 in³

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	300 GIF	0.000
120.00	SWOCM 100% mud.	0.599

Total Length: 120.00 ft Total Volume: 0.599 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

KCC WICHITA

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DST Test Number: 3

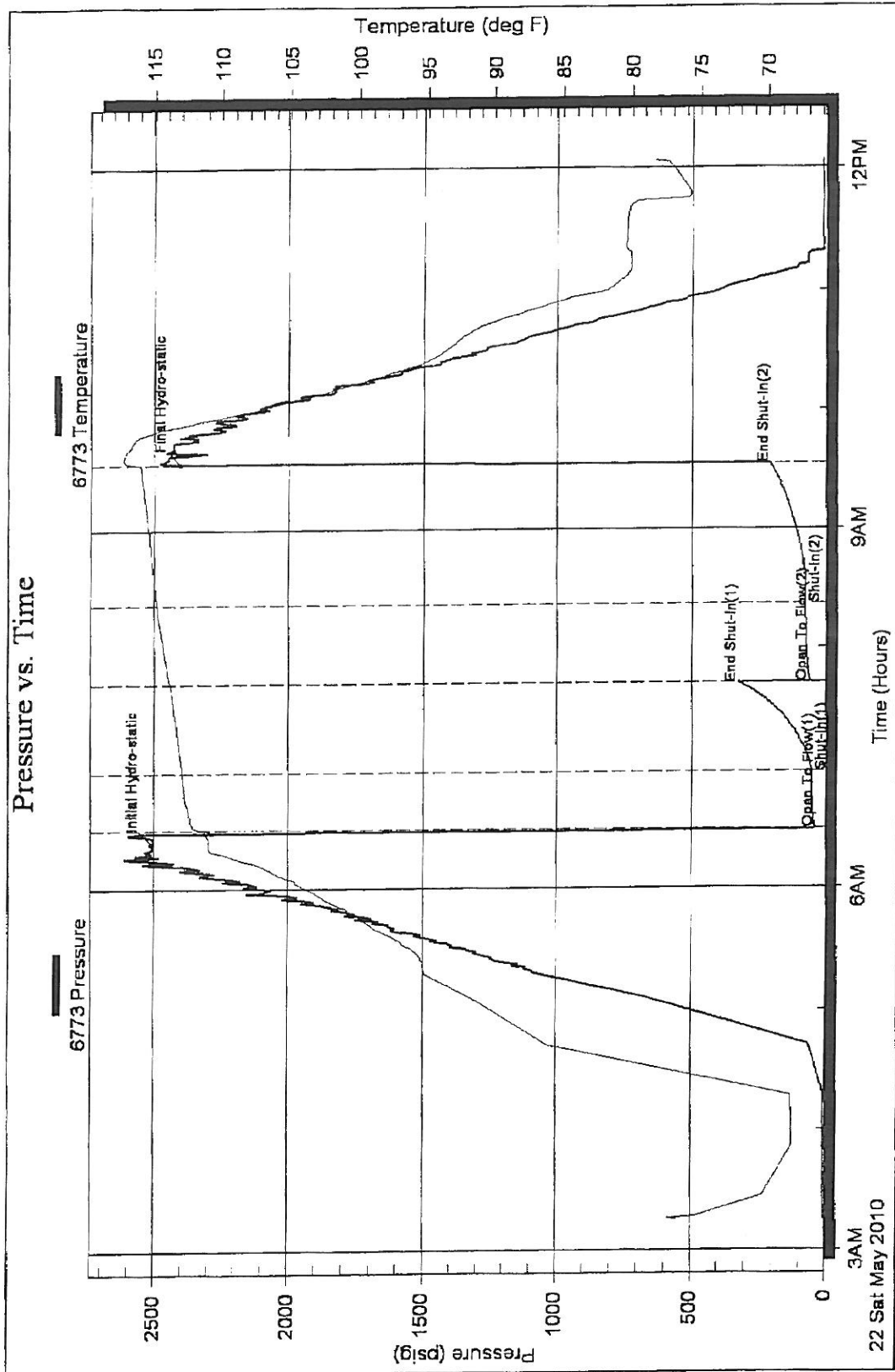
24/29/25

S&W Oil&Gas LLC

Inside

Serial #: 6773

Pressure vs. Time



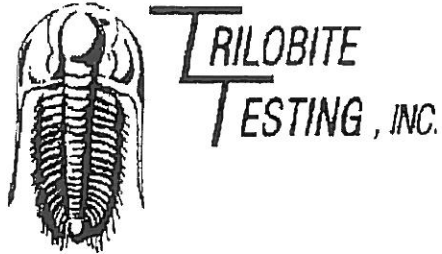
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Ref. No: 37633

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#4



DRILL STEM TEST REPORT

Prepared For: **S&W Oil&Gas LLC.**

3540 W Douglas Suite #3 Wichita Ks. 67203

ATTN: Mike Engelbrecht

24/29/25

Double H Farms 24-2

Start Date: 2010.05.23 @ 02:00:00

End Date: 2010.05.23 @ 09:46:50

Job Ticket #: 37634 DST #: 4

S&W Oil&Gas LLC.

Double H Farms 24-2

24/29/25

DST # 4

MISS.

2010.05.23

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

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

S&W Oil&Gas LLC.

Double H Farms 24-2

3540 W Douglas Suite #3 Wichita Ks. 67203

24/29/25

Job Ticket: 37634

DST#: 4

ATTN: Mike Engelbrecht

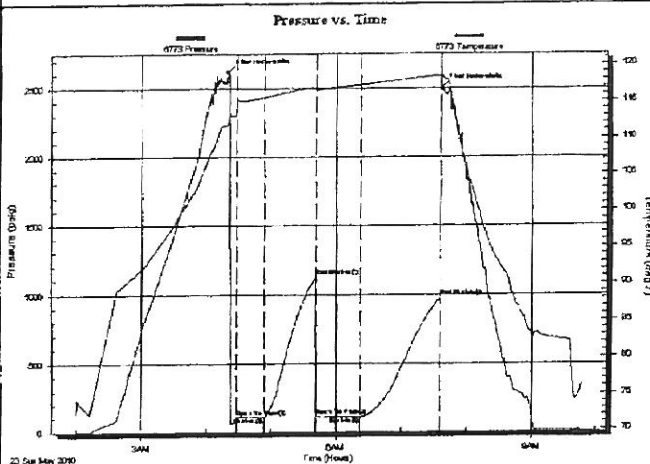
Test Start: 2010.05.23 @ 02:00:00

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **04:28:20**
 Time Test Ended: **09:46:50**
 Interval: **5430.00 ft (KB) To 5466.00 ft (KB) (TVD)**
 Total Depth: **5466.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Harley Davidson**
 Unit No: **33**
 Reference Elevations: **2621.00 ft (KB)**
2609.00 ft (CF)
 KB to GR/CF: **12.00 ft**

Serial #: 6773 **Inside**
 Press@RunDepth: **111.13 psig @ 5432.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.05.23** End Date: **2010.05.23** Last Calib.: **2010.05.23**
 Start Time: **02:00:00** End Time: **09:46:50** Time On Btm: **2010.05.23 @ 04:20:00**
 Time Off Btm: **2010.05.23 @ 07:37:20**

TEST COMMENT: If- Weak building blow 3" in the bucket.
 IS- No blow back.
 FF- Weak surface blow for 3min. and died.
 FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2621.21	111.72	Initial Hydro-static
9	110.21	114.84	Open To Flow (1)
35	109.71	115.46	Shut-in(1)
82	1126.11	116.88	End Shut-in(1)
82	113.39	116.53	Open To Flow (2)
123	111.13	117.23	Shut-in(2)
196	976.80	118.45	End Shut-in(2)
198	2506.40	118.49	Final Hydro-static

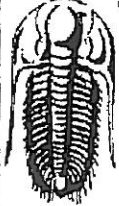
Recovery

Length (ft)	Description	Volume (bbl)
185.00	5%gas 95%mud	1.51

Gas Rates

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

KCC WICHITA
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 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT		FLUID SUMMARY
	S&W Oil&Gas LLC.	Double H Farms 24-2	
	3540 W Douglas Suite #3 Wichita Ks. 67203	24/29/25	
ATTN: Mike Engelbrecht	Job Ticket: 37634	DST#: 4	
		Test Start: 2010.05.23 @ 02:00:00	
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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ²	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			
Recovery Information			
Recovery Table			
Length ft	Description	Volume bbl	
185.00	5%gas 95%mud	1.511	
Total Length:	185.00 ft	Total Volume:	1.511 bbl
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:	
Laboratory Name:	Laboratory Location:		
Recovery Comments:			

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DST Test Number: 4

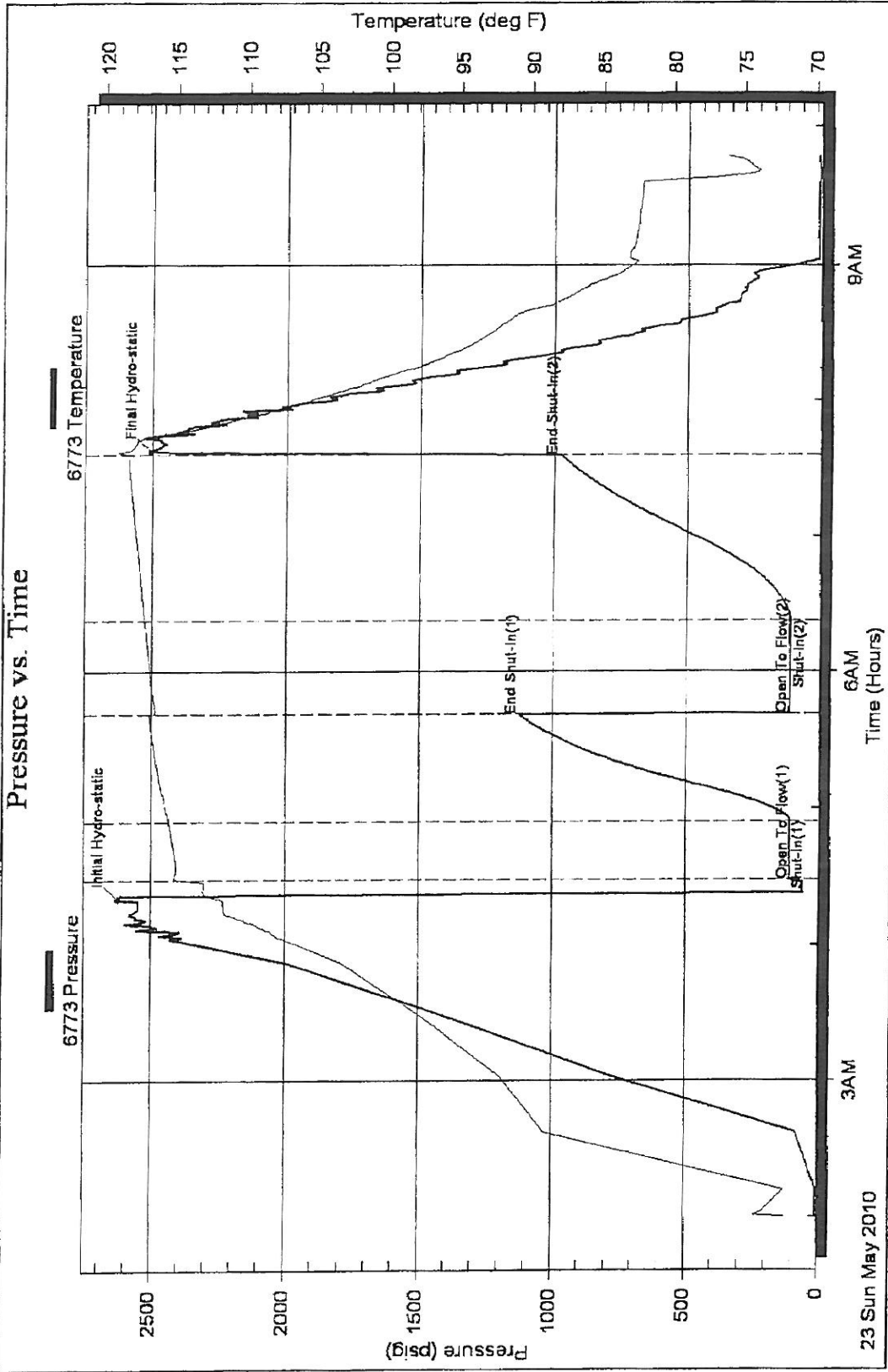
24/29/25

S&W Oil&Gas LLC.

Inside

Serial #: 6773

Pressure vs. Time



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